SCHOOL OF CIVIL ENGINEERING

JOINT HIGHWAY RESEARCH PROJECT

FHWA/IN/JHRP-79-14

TRAFFIC SPEED REPORT NO. 109

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PURDUE UNIVERSITY
INDIANA STATE HIGHWAY COMMISSION

TRAFFIC SPEED REPORT NO. 109

TO: H. L. Michael, Director
Joint Highway Research Project

September 5th, 1979

File: 8-3-3

FROM: R. P. Guenthner
Graduate Research Assistant
Joint Highway Research Project

Project: C-36-10C

The attached Progress Report No. 109 on Traffic Speeds is the report of the April-June, 1979 quarterly study of automobile and truck speeds on rural, tangent, level sections of Interstate, 4-lane and 2-lane and on urban interstate highways in Indiana. The report has been prepared by Mr. R. P. Guenthner, a Graduate Instructor in Research on our staff, under the direction of Professor H. L. Michael. The data collection was directed by Mr. G. K. Stafford of our staff.

This is the first report which includes the analysis of the interim speed monitoring procedures which are required as a result of the Surface Transportation Act of 1978. Results of this indicate a statewide average of 62.3 per cent of the vehicles traveling above the 55 mph speed limit. This is well within the limits of 70 per cent required for the year ending September 30th, 1979 but not below the level of 60 per cent needed to qualify for an incentive grant.

Overall free flow results indicate average speeds are lower than they have been in the past two quarterly reports. The largest part of this reduction has been due to a decrease in passenger car speeds meaning that the respective speeds of passenger cars and trucks are closer than they have been in the past.

Copies of the report will be sent to the Federal Highway Administration and the ISHC for review, comment and acceptance as partial fulfillment of the objectives of this HPR Part I Study. Copies of the report are requested for release to the Indiana State Police and the Indiana Office of Traffic Safety as a normal procedure for these reports.

Respectfully submitted,

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Graduate Research Assistant

RPG/mag

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Interim Report

TRAFFIC SPEED REPORT NO. 109

by

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in Cooperation with the

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and the

U.S. Department of Transportation
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The opinions, findings and conclusions expressed in this publication are those of the authors and not necessarily those of the Federal Highway Administration

Purdue University
West Lafayette, Indiana
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Conducted in cooperation with the U. S. Department of Transportation, Federal Highway Administration under a planning study titled "Speed Trends for Indiana Highways".

16. Abstract

This report is another in the continuing study of speeds of vehicles on Indiana highways. Observations of spot speeds were taken on interstate, four-lane and two-lane highways throughout the state during the April-June 1979 quarter.

This is the first report which includes the analysis of the interim speed monitoring procedures which are required as a result of the Surface Transportation Act of 1978. Results of this indicate a statewide average of 62.3 per cent of the vehicles traveling above the 55 mph speed limit.

The overall free flow average speed of 57.2 mph represents a drop of 0.8 mph from the January-March 1979 quarter (Speed Report No. 108). Passenger cars and trucks showed drops of 0.9 mph and 0.5 mph respectively the same period. The average speed for passenger cars was only 0.5 mph higher than that for trucks. This compares with a difference of 0.8 mph, 1.1 mph, and 0.9 mph for the previous three quarters.

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TRAFFIC SPEED REPORT NO. 109

This report is the first which includes the reporting of the interior speed monitoring procedures which are required as a result of the Surface Transportation Act of 1978.

Included here is an analysis of spot speed observations made during April-June 1979. All observations were made of vehicles on level, tangent sections of rural and urban highways during daylight and under favorable conditions. Observations of free flowing vehicles were made at all speed monitoring locations as has been done in the past. Additional data based on every nth vehicle were collected at specified locations to enable computation of those factors required by the interim speed monitoring procedures. This data collection procedure will be referred to as the "all vehicles" technique.

The speed monitoring stations for each highway classification are divided into two groups. The first group is identified as "primary control stations" and includes the same locations on selected Federal and State highways as used in each quarterly study. The second group of seven is selected at random for each quarterly study. A total of fourteen speed monitoring stations were used for the study reported herein.

Stations were classified as two-lane, four-lane, rural interstate, or urban interstate highways. A representative sample of free-flow vehicles was taken at every station. A similar sample using the "all vehicles" technique was taken at one primary control station and one random station for each highway classification. The site locations follow and are also shown in Figure 1.

Rural Interstate Highways

+ *	RI-6	(I-65)	7.5 miles north of junction of SR 160
*	RI-21	(I-69)	1.6 miles south of junction of SR 18
+	RI-16	(I-70)	At bridge of SR 1
	RI-28	(I-80, I-90) (Toll Road)	4.65 miles east of LaPorte exit.

Four-Lane Highway

*	4L-17	(U. S. 52)	Just east of Co. Rd. 475 W., near Klondike
+ *	4L-32	(U. S. 30)	2.9 miles west of Wanatah city limit sign
+	4L-1	(U. S. 41)	7.0 miles south of SR 64
	4L-16	(U. S. 52)	0.35 miles south of SR 47

Two-Lane Highway

*	2L-18	(U. S. 35)	2.5 miles east of junction of I-69
+ *	2L-54	(U. S. 231)	1.1 miles south of junction of SR 234
+	2L-16	(SR 3)	1.75 miles south of SR 46
	2L-83	(U. S. 136)	2.85 miles west of SR 63

Urban Interstate Highways

+ *	UI-6	(I-65)	East of White River Bridge
+	UI-8	(I-265)	1.45 miles north of I-64 Interchange

* Primary Control Stations.

\+ Stations at which data was collected using the "all vehicles" technique as well as using the free flow method.

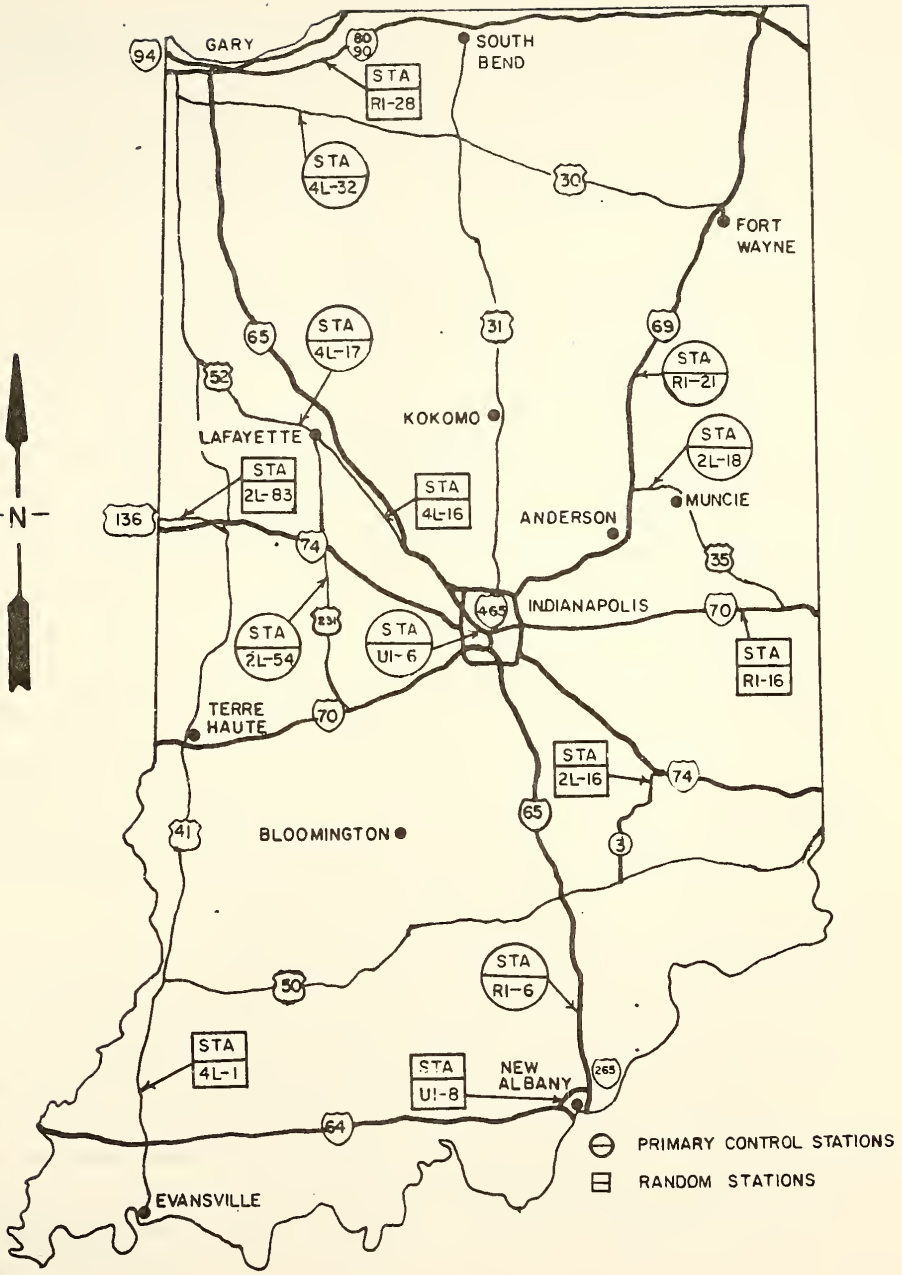

FIGURE 1 LOCATIONS OF SPEED-STUDY STATIONS

The vehicles were classified as Indiana or Non-Indiana Passenger Cars and Light (less than 5000 lbs. gross weight) or Heavy (equal to or more than 5000 lbs. gross weight) trucks. The analysis was performed as classified and combined, passenger cars or trucks.

The speed limit at all stations is 55 miles per hour.

Sample Size

A minimum of 200 vehicles in each direction were recorded using the free flow technique at each station. At least 25 of these vehicles were required to be heavy trucks.

At the selected stations, an additional 200 vehicles in each direction were sampled using the "all vehicles" technique.

Only speed data was recorded of each nth vehicle in the traffic stream. The traffic stream is all vehicles in one direction of movement if volume permits or by lane if high volumes require. If by lane, each lane was sampled for 15 minute periods and repeated until the sample required was obtained.

The value of n was 2 in all but 2 exceptions. The value of 3 was used in one case. A value of 1 was used at one station. If the nth vehicle speed could not be obtained, it was not recorded and the next nth vehicle was taken.

At stations where both sampling techniques were used, the two techniques were used interchangeably in 30 minute intervals until complete.

Equipment and Field Procedure

The observations for this study were obtained by use of a Radar Speed Meter. The meter was located in a van type vehicle parked as a disabled vehicle on the right shoulder or as a normally parked vehicle in an access driveway to the road. The van was equipped with one-way vision windows on the rear and side facing traffic so that approaching vehicles could not observe the speed measurement process. The observers were also equipped with CB radio equipment so as to monitor possible radio notification of the speed measurement and of police vehicles in the area. When any such incidents occurred speeds were not taken for at least a following 15 minute period. Such periods are becoming more common than they have been in previous reports. This problem is especially critical on interstate roads.

The speed was measured at a distance from the van so that the angle of measurement with the highway center line was always less than 10°. No corrections of speed were necessary at these small angles. The accuracy,

of the meter was checked at the beginning of each data recording session, every time the sampling technique was changed, and at other times when deemed necessary.

Results of Analysis

The data collected were analyzed and are summarized in the Appendix. Tables A 1 through A 14 include the data for the free flow data on each individual station. Tables A 15 through A 18 summarize the free flow data by highway classification. Table A 19 is the summary for all highways. Tables A 20 through A 32 summarize the data taken using the "all vehicles" technique. Tables A 33 through A 56 present the same information in the FHWA format.

The results of the free flow data expressed by highway classification and vehicle type are as follows:

Table 1: Average Speeds (mph)

	Interstate		Other Four Lane	Two Lane	All
	Urban	Rural	Rural	Rural	
Passenger Cars:					
Indiana	57.2	59.6	56.3	56.4	57.1
Non-Indiana	59.0	59.2	56.7	56.4	58.3
All Passenger Cars	57.5	59.4	56.3	56.4	57.4
85 Percentile (all)	61.5	63.3	60.4	61.0	61.6
Trucks:					
Less than 5000 lbs.	57.5	58.1	55.6	55.7	56.4
5000 lbs. or more	57.0	59.5	56.1	55.2	57.1
All Vehicles:					
Average	57.4	59.3	56.2	56.0	57.2
85 Percentile	61.5	63.3	60.5	60.8	61.7

Table 2: Percent of Vehicles Exceeding 55 mph.

	Interstate		Four Lane	Two Lane	All
	Urban	Rural			
Passenger Cars:					
Indiana	64.6	85.0	59.3	55.5	63.8
Non-Indiana	70.9	83.5	64.0	56.9	74.7
All Passenger Cars	65.4	84.2	59.9	55.7	66.5
Trucks:					
Less than 5000 lbs.	66.3	72.8	56.0	51.2	59.1
5000 lbs. or more	65.7	83.7	57.1	53.8	66.4
All Vehicles:	65.6	83.0	58.6	54.6	65.4

Table 3: Percent of Vehicles Exceeding 60 mph.

	Interstate		Other Four Lane	Two Lane	
	Urban	Rural	Rural	Rural	All
Passenger Cars:					
Indiana	21.3	34.0	17.5	18.4	21.6
Non-Indiana	45.6	34.4	15.1	21.6	30.1
All Passenger Cars	24.5	34.2	17.2	18.9	23.7
Trucks:					
Less than 5000 lbs.	26.5	25.3	14.7	17.1	19.6
5000 lbs. or more	21.3	43.4	19.4	16.5	27.1
All Vehicles:	24.2	36.0	17.4	18.1	23.8

Table 4: Percent of Vehicles Exceeding 65 mph.

	Interstate		Other Four Lane	Two Lane	
	Urban	Rural	Rural	Rural	All
Passenger Cars:					
Indiana	3.0	9.0	2.4	5.3	4.6
Non-Indiana	6.3	8.1	3.6	6.6	7.1
All Passenger Cars	3.4	8.5	2.5	5.5	5.2
Trucks:					
Less than 5000 lbs.	6.6	7.0	3.8	5.9	5.6
5000 lbs. or more	4.7	6.9	3.8	2.1	4.5
All Vehicles:	4.2	7.9	3.0	4.9	5.1

The following shows a comparrison of the average free flow speed results with those of the previous three quarters:

Table 5: Comparsion of the Overall Speed Results

	April-June 1979	Jan.-March 1979	Oct.-Dec. 1978	July-Sept. 1978
Average				
All Passenger Cars	57.4	58.3	58.8	57.6
Heavy Trucks	57.1	57.5	57.8	57.3
All Trucks	56.9	57.4	57.7	56.8
85 Percentile				
All Passenger Cars	61.6	63.1	63.2	62.1
Heavy Trucks	62.2	63.2	62.9	62.2
All Trucks	61.9	63.0	62.7	61.7
15 Percentile				
Heavy Trucks	51.4	51.1	51.6	51.6

Table 6: Average Speeds On Interstate Highways (URBAN)

	April-June 1979	Jan.-March 1979	Oct.-Dec. 1978	July-Sept. 1978
Passenger Cars:				
Indiana	57.2	58.8	59.3	58.0
Non-Indiana	59.0	59.2	59.7	57.9
All Passenger Cars	57.5	58.8	59.3	58.0
85 Percentile (all)	61.5	62.6	62.9	62.1
Trucks:				
Less than 5000 lbs.	57.5	57.9	58.7	56.5
5000 lbs. or more	57.0	56.9	57.8	56.8

Table 7: Average Speeds On Interstate Highways (RURAL)

	April-June 1979	Jan.-March 1979	Oct.-Dec. 1978	July-Sept. 1978
Passenger Cars:				
Indiana	59.6	60.4	60.8	58.5
Non-Indiana	59.2	60.4	60.6	60.1
All Passenger Cars	59.4	60.4	60.7	59.2
85 Percentile (all)	63.3	64.5	64.7	63.1
Trucks:				
Less than 5000 lbs.	58.1	59.1	59.4	58.2
5000 lbs. or more	59.5	60.4	59.9	59.4

Table 8: Average Speed On Other Four-Lane Highways

	April-June 1979	Jan.-March 1979	Oct.-Dec. 1978	July-Sept. 1978
Passenger Cars:				
Indiana	56.3	56.8	57.8	56.9
Non-Indiana	56.7	58.1	59.5	57.5
All Passenger Cars	56.3	56.9	58.0	56.9
85 Percentile (all)	60.4	62.1	62.6	61.6
Trucks:				
Less than 5000 lbs.	55.6	56.4	56.9	55.4
5000 lbs. or more	56.1	56.2	58.3	56.2

Table 9: Average Speeds on Two-Lane Highways

	April-June 1979	Jan.-March 1979	Oct.-Dec. 1978	July-Sept. 1978
Passenger Cars:				
Indiana	56.4	57.3	57.3	56.4
Non-Indiana	56.4	58.8	58.3	56.2
All Passenger Cars	56.4	57.4	57.4	56.4
85 Percentile (all)	61.0	62.8	62.0	61.0
Trucks:				
Less than 5000 lbs.	55.7	56.8	56.6	55.0
5000 lbs. or more	55.2	55.3	54.9	55.5

Analysis of Data from "All Traffic" Collection Technique

Conversion factors for allowing free-flow data to represent all traffic were done as prescribed in the FHWA docement "Interim Speed Monitoring Procedures." These conversion factors were found by dividing a given statistic for all vehicles by the same statistic for free-flow. This was done by highway classification for, percent vehicles exceeding 55 mph, average speed, median speed, 85th percentile speed, percent exceeding 60 mph, and percent exceeding 65 mph. These factors are shown in Table 10.

The computation for the weighted statewide compliance level (Percent vehicles exceeding 55 mph) is shown in Table 11. Computation of statewide averages for the other statistics was done using the same technique and weighting factors. These averages were as follows:

Average Speed:	57.0
Median Speed:	56.5
85th Percentile:	61.7
Percent exceeding 60 mph:	24.4
Percent exceeding 65 mph:	5.4

Because this was the first study using the "all vehicles" technique for collecting data, no comparable figures are available from previous reports. However, the same weighting factors and conversion factors from this report were used to convert the figures from previous reports to represent weighted statewide averages. These are shown in table 12 for average speeds and the percent vehicles exceeding 55 mph. The percent vehicles exceeding 55 mph for each quarter is shown graphically in figure 2.

Table 10: Factors for Converting "Free-Flow" Data to Represent All Traffic

Highway Type \ Statistic	Percent Exceeding 55 mph	Average Speed	Median Speed	85th Percentile Speed	Percent Exceeding 60 mph	Percent Exceeding 65 mph
Interstate, Urban	.96	.99	.99	1.00	.86	.83
Interstate, Rural	.99	1.00	1.00	1.01	1.10	1.22
4-Lane	1.00	1.01	1.00	1.00	.99	.93
2-Lane, Rural	.95	.99	.99	1.00	1.08	.94

Table 11: Calculation of Weighted Statewide Compliance Level

Highway Type	Weighting Factor*	Percent Exceeding 55 mph - All Vehicles	(1) x (2)
	(1)	(2)	(3)
Interstate, Urban	.165	62.7	10.3
Interstate, Rural	.251	81.8	20.5
4-Lane	.170	58.4	9.9
2-Lane	.414	52.1	21.6
Statewide Weighted Percent Exceeding 55 mph			62.3

* Values from: FHWA, "Interim Speed Monitoring Procedures", Table 1.

Table 12: Statewide Weighted Averages from Past Reports

Report No.	Date	Statewide Weighted Percent Vehicles Exceeding 55 mph.	Statewide Weighted Average Speed
109	April-June 1979	62.3	56.9
108	January-March 1979	66.5	57.7
107	October-December 1978	68.9	57.9
106	July-September 1978	61.5	56.8
105	April-June 1978	66.0	57.6
104	January-March 1978	67.9	58.0
103	October-December 1977	69.9	58.3
102	July-September 1977	61.9	56.9
101	April-June 1977	65.8	57.6
100	January-March 1977	60.2	56.8
99	October-December 1976	59.1	56.7
98	July-September 1976	63.7	57.2
97	April-June 1976	57.1	56.2

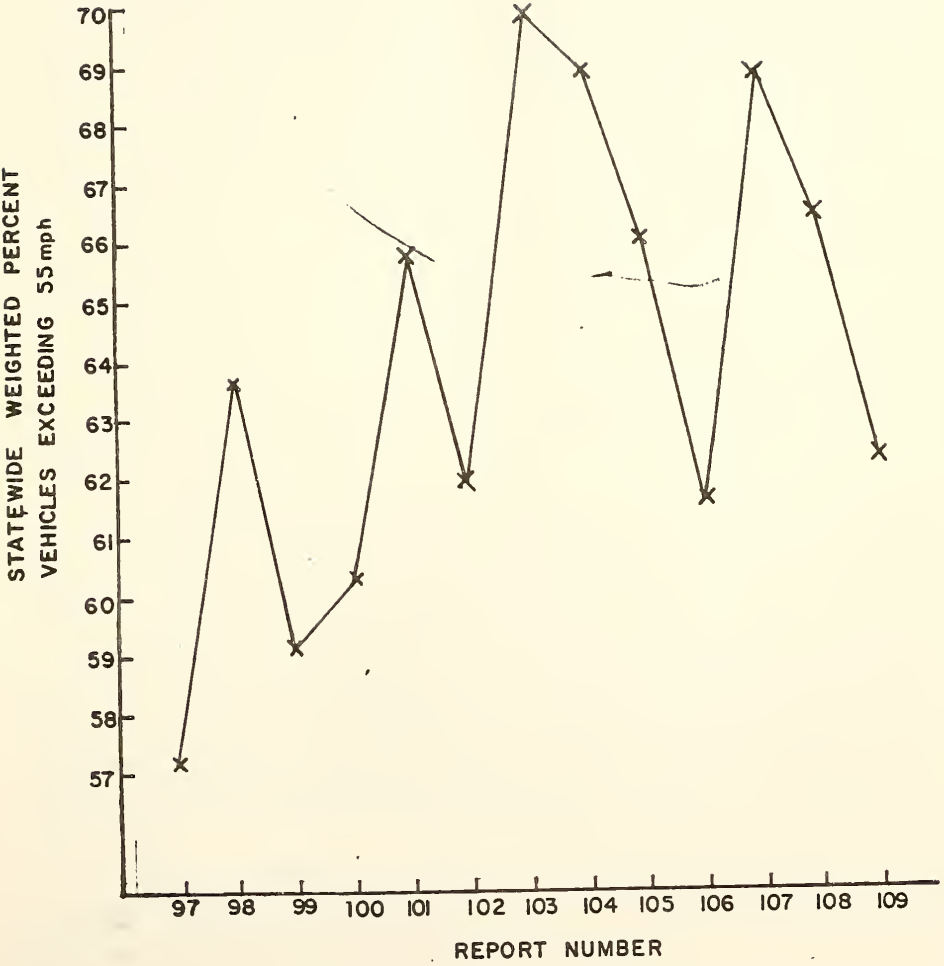

FIGURE: 2 TRENDS IN PERCENT VEHICLES EXCEEDING 55 mph

Conclusions

The overall results indicate that the vehicle speeds on Indiana highways have been lower during this quarter than they have been during the previous three quarters. All the speed statistics indicate a significant reduction in speeds during this quarter from the January-March 1979 quarter and the October-November 1978 quarter. The speeds are only slightly lower than they were during the July-September 1978 quarter.

The average free flow speed of 57.2 mph represents a drop of 0.8 mph from the previous quarter. All vehicle classifications likewise showed a slight drop in speeds. Passenger cars showed a larger decrease in speed of 0.9 mph as compared to 0.5 mph for trucks. The result of this is a smaller difference in speeds between passenger cars and trucks. The average speed for passenger cars was only 0.5 mph higher than that for trucks. This compares with 0.8 mph, 1.1 mph, and 0.9 mph for the previous three quarters.

The reduction in speed from the previous quarter to this quarter is fairly uniform among the various highway classifications. Speeds relating to all highway types showed a slight decrease.

The results of the analysis of the data taken using the "all vehicle" technique show that the computed conversion factors are all very close to 1.0. This infer that very little or no congestion has occurred at the sampled sections.

The statewide weighted percent of vehicles exceeding 55 mph was 62.3. This value is well within the limit of 70 per cent as required by FHWA by September 30th, 1979. However, it is higher than the 60 per cent level required for elibility for an incentive grant.

A comparison of this value with those of the two previous quarters may indicate that it is rapidly falling. However, an examination of the graph shown in figure 2 shows that this drop may be just a seasonal adjustment. Actually the trend of the statewide compliance level has shown a slight increase (significant at the 0.1 level) over the past three years.

Unless some significant changes occur in the next year (e.g. increased enforcement) it does not statistically appear that the statewide compliance level will fall below 60 per cent.

APPENDIX

TABLE A-1 SPEED DATA Free Flow

STATION RI-6 HIGHWAY I-65 LOCATION 7.5 mil. north of S.R. 160

NO. OF LANES 4 TYPE OF SURFACE Asphalt WEATHER cloudy

THIS OBSERVATION
DATE 6-7-79
TIME 8:17-8:50 AM NB
9:43-10:50 AM SB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 108)
DATE 4-5-79
TIME 1:10-2:15 PM NB
11:48 AM - 12:53 PM SB

	PASSENGER CARS								TRUCKS					
	ALL		INDIANA		NON-INDIANA		ALL		≤5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	300	242	214	184	86	58	147	181	60	68	87	113
AVE. SPEED (MPH)	60.70	60.58	60.70	60.83	60.72	59.81	60.90	58.82	59.80	58.13	61.60	59.23
STANDARD DEVIATION	4.273	4.708	4.410	4.895	3.937	4.002	4.816	4.445	4.609	4.620	4.848	4.305
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0
44 MPH	0	0	0	0	0	0	0	0	0	0	0	0
49 MPH	0	0	0	0	0	0	1.4	1.7	1.7	2.9	1.1	0
54 MPH	6.7	7.0	6.1	6.5	8.1	8.6	8.2	13.8	10.0	17.6	6.9	11.5
59 MPH	38.7	45.5	39.3	43.5	37.2	51.7	40.1	58.6	50.0	63.2	33.3	55.8
64 MPH	83.3	79.3	82.7	77.2	84.9	86.2	78.2	87.3	86.7	86.8	72.4	87.6
69 MPH	97.3	95.5	96.7	94.6	98.8	98.3	95.9	99.4	96.7	100.0	95.4	99.1
74 MPH	99.7	99.2	99.5	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
79 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION	NB											
NUMBER OF VEHICLES	156	120	113	82	43	38	77	92	32	34	45	58
AVERAGE SPEED	61.00	60.78	61.00	61.23	61.00	59.82	60.60	59.08	59.10	59.21	61.70	59.00
DIRECTION	SB											
NUMBER OF VEHICLES	144	122	101	102	43	20	70	89	28	34	42	55
AVERAGE SPEED	60.30	60.39	60.30	60.50	60.30	59.80	61.10	58.55	60.60	57.06	61.50	59.47

TABLE A 2 SPEED DATA Free Flow

STATION RI-21 HIGHWAY I-69 LOCATION 1.6 miles south of S.R. 18

NO. OF LANES 4 TYPE OF SURFACE Asphalt WEATHER cloudy

THIS OBSERVATION
DATE 5-22-79
TIME 10:40-11:19 AM NB
11:40 AM - 12:28 PM SB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 108)
DATE 3-14-79
TIME 11:15 AM - 12:24 PM NB
12:42-1:48 PM SB

	PASSENGER CARS								TRUCKS					
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	238	271	139	169	99	102	189	155	60	31	129	124
AVE. SPEED (MPH)	59.40	59.48	59.70	59.24	59.00	59.87	58.90	59.05	58.10	58.39	59.30	59.22
STANDARD DEVIATION	4.799	4.099	5.022	4.251	4.451	4.167	4.993	5.104	4.787	4.417	5.059	5.265
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0
44 MPH	.4	0	.7	0	0	0	.5	0	0	0	.8	0
49 MPH	2.9	0	2.9	0	3.0	0	5.3	4.5	6.7	0	4.7	5.6
54 MPH	13.4	8.9	13.7	8.3	13.1	9.8	16.9	18.1	23.3	22.6	14.0	14.5
59 MPH	49.2	56.8	46.0	59.8	53.5	52.0	52.4	52.3	58.3	67.7	49.6	48.4
64 MPH	88.7	87.5	85.6	88.2	92.9	86.3	87.3	87.1	95.0	87.1	82.7	87.1
69 MPH	97.1	97.8	95.7	97.6	99.0	98.0	100.0	99.4	100.0	100.0	100.0	99.2
74 MPH	100.0	99.6	100.0	100.0	100.0	99.0	100.0	99.4	100.0	100.0	100.0	99.2
79 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION	NB											
NUMBER OF VEHICLES	112	139	62	87	50	52	101	74	33	9	68	65
AVERAGE SPEED	60.40	60.09	61.00	60.38	59.60	60.12	60.20	60.38	58.70	58.00	61.00	60.71
DIRECTION	SB											
NUMBER OF VEHICLES	126	132	77	82	49	50	88	81	27	22	61	59
AVERAGE SPEED	58.60	58.83	58.70	58.35	58.30	59.62	57.30	57.84	57.30	58.55	57.30	57.78

TABLE A 3 SPEED DATA Free Flow

STATION RI-16 HIGHWAY I-70 LOCATION at S.R. 1 bridge

NO. OF LANES 4 TYPE OF SURFACE concrete WEATHER hazy

THIS OBSERVATION
DATE 5-23-79
TIME 1:24-2:25 PM EB
9:36-11:20 AM WB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)
DATE
TIME

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT
NUMBER OF VEHICLES	0	271	0	105	0	166	0	163	0	35	0	128
AVE. SPEED (MPH)	0	58.24	0	59.04	0	57.73	0	59.64	0	58.03	0	60.09
STANDARD DEVIATION	0	3.946	0	4.392	0	3.558	0	4.321	0	4.069	0	4.298
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0
PERCENT 44 MPH	0	.4	0	0	0	.6	0	0	0	0	0	0
OF 49 MPH	0	.7	0	1.0	0	.6	0	2.5	0	2.9	0	2.3
VEHICLES 54 MPH	0	15.1	0	9.5	0	18.7	0	10.4	0	17.1	0	8.6
TRAVELING 59 MPH	0	66.1	0	62.9	0	68.1	0	47.2	0	68.6	0	41.4
AT OR 64 MPH	0	94.8	0	92.4	0	96.4	0	89.6	0	91.4	0	89.1
LESS THAN 69 MPH	0	99.6	0	99.0	0	100.0	0	98.8	0	100.0	0	98.4
74 MPH	0	99.6	0	99.0	0	100.0	0	100.0	0	100.0	0	100.0
79 MPH	0	99.6	0	99.0	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION EB												
NUMBER OF VEHICLES	0	128	0	30	0	98	0	90	0	20	0	70
AVERAGE SPEED	0	57.92	0	58.77	0	57.66	0	59.64	0	59.00	0	59.83
DIRECTION SB												
NUMBER OF VEHICLES	0	143	0	75	0	68	0	73	0	15	0	58
AVERAGE SPEED	0	58.52	0	59.15	0	57.82	0	59.64	0	56.73	0	60.46

TABLE 4 SPEED DATA Free Flow

STATION RI-28 HIGHWAY I-80-90 LOCATION 4.65 miles east of LaPorte exit

NO. OF LANES 4 TYPE OF SURFACE concrete WEATHER partly cloudy, hazy

THIS OBSERVATION
DATE 6-4-79
TIME 1:50-2:30 PM EB
21:50-1:30 WB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)
DATE
TIME

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		≥5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	0	295	0	77	0	218	0	138	0	24	0	114
AVE. SPEED (MPH)	0	59.30	0	57.92	0	59.79	0	59.13	0	57.96	0	59.38
STANDARD DEVIATION	0	4.279	0	3.256	0	4.492	0	4.469	0	4.814	0	4.379
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0
PERCENT 44 MPH	0	.3	0	0	0	.5	0	0	0	0	0	0
OF 49 MPH	0	1.0	0	0	0	1.4	0	4.3	0	8.3	0	3.5
VEHICLES 54 MPH	0	13.6	0	22.1	0	10.6	0	12.3	0	16.7	0	11.4
TRAVELING 59 MPH	0	54.2	0	70.1	0	49.5	0	51.4	0	58.3	0	50.0
AT OR 64 MPH	0	89.5	0	96.1	0	87.2	0	88.4	0	87.5	0	88.6
LESS THAN 69 MPH	0	99.3	0	100.0	0	99.1	0	100.0	0	100.0	0	100.0
74 MPH	0	99.7	0	100.0	0	99.5	0	100.0	0	100.0	0	100.0
79 MPH	0	99.7	0	100.0	0	99.5	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION EB												
NUMBER OF VEHICLES	0	138	0	16	0	122	0	79	0	14	0	65
AVERAGE SPEED	0	61.15	0	59.81	0	61.33	0	60.87	0	59.79	0	61.11
DIRECTION WB												
NUMBER OF VEHICLES	0	157	0	61	0	96	0	59	0	10	0	49
AVERAGE SPEED	0	57.68	0	57.43	0	57.83	0	56.80	0	55.40	0	57.08

TABLE A5 SPEED DATA Free Flow

STATION 41-17 HIGHWAY U.S. 52 LOCATION 150' east of CR 475 N, Tippecanoe County

NO. OF LANES 4 TYPE OF SURFACE asphalt WEATHER partly sunny

THIS OBSERVATION
DATE 5-14-79
TIME 9:17-10:48 AM EB
1:20-2:48 PM WB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 108)
DATE 3-12-79
TIME 12:27 PM-1:56 PM EB
9:45-11:39 AM WB

	PASSENGER CARS								TRUCKS					
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	279	272	243	245	36	27	163	150	96	84	67	66
AVE. SPEED (MPH)	56.50	56.09	56.40	55.99	57.30	57.04	56.10	54.49	56.50	54.42	55.60	54.58
STANDARD DEVIATION	5.636	5.409	5.769	5.414	4.628	5.367	6.338	6.471	6.103	5.324	6.599	7.732
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	.7	0	0	0	1.5
34 MPH	.4	0	.4	0	0	0	0	.7	0	0	0	1.5
39 MPH	.7	0	.8	0	0	0	1.2	3.3	0	1.2	3.0	6.1
44 MPH	3.6	1.5	4.1	1.6	0	0	4.3	6.0	3.1	4.8	6.0	7.6
49 MPH	9.7	13.2	10.3	13.5	5.6	11.1	15.3	15.3	14.6	17.9	16.4	12.1
54 MPH	29.7	35.3	30.9	36.7	22.2	22.2	36.2	45.3	30.2	41.7	44.8	51.5
59 MPH	71.7	74.3	71.6	75.1	72.2	66.7	70.6	81.3	71.9	86.9	68.7	74.2
64 MPH	95.3	96.7	95.5	96.7	94.4	96.3	92.6	96.7	93.8	97.6	91.0	95.5
69 MPH	98.9	99.3	98.8	99.2	100.0	100.0	98.8	99.3	97.9	100.0	100.0	98.5
74 MPH	100.0	99.3	100.0	99.2	100.0	100.0	99.4	100.0	99.0	100.0	100.0	100.0
79 MPH	100.0	99.3	100.0	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 MPH	100.0	99.6	100.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION	EB											
NUMBER OF VEHICLES	150	135	133	123	17	12	78	76	47	42	31	34
AVERAGE SPEED	56.90	56.80	56.90	56.85	56.90	56.25	56.30	54.75	56.20	54.81	56.50	54.68
DIRECTION	WB											
NUMBER OF VEHICLES	129	137	110	122	19	15	85	74	49	42	36	32
AVERAGE SPEED	56.00	55.39	55.80	55.11	57.60	57.67	56.00	54.22	56.80	54.02	54.80	54.47

TABLE A6 SPEED DATA Free Flow

STATION 41-32 HIGHWAY U.S. 30 LOCATION 2.9 miles west of Wanatah city limit sign

NO. OF LANES 4 TYPE OF SURFACE asphalt WEATHER hazy

THIS OBSERVATION
DATE 5-17-79
TIME 1:57-3:05 PM EB
10:53AM - 12:15PM WB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO 108)
DATE 4-6-79
TIME 12:15-1:25 PM EB
10:35-11:45 AM WB

	PASSENGER CARS								TRUCKS					
	ALL		INDIANA		NON-INDIANA		ALL		≤5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	230	215	180	161	50	54	199	220	64	43	135	177
AVE. SPEED (MPH)	59.30	57.44	59.20	57.27	59.60	57.94	57.40	56.65	57.50	57.00	57.40	56.57
STANDARD DEVIATION	4.853	5.005	4.863	5.209	4.854	4.346	5.599	5.017	6.481	5.916	5.155	4.788
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	.5	0	2.3	0	0
PERCENT 44 MPH	.4	.9	.6	1.2	0	0	2.0	2.3	3.1	2.3	1.5	2.3
OF 49 MPH	1.3	6.0	1.7	7.5	0	1.9	10.1	7.3	12.5	7.0	8.9	7.3
VEHICLES 54 MPH	14.8	23.3	15.0	25.5	14.0	16.7	26.1	27.3	26.6	27.9	25.9	27.1
TRAVELING 59 MPH	57.4	70.7	57.2	66.5	58.0	63.3	66.3	74.1	68.8	74.4	65.2	74.0
AT OR 64 MPH	86.5	94.9	86.7	94.4	86.0	96.3	90.5	94.1	85.9	90.7	92.6	94.9
LESS THAN 69 MPH	97.0	97.7	97.2	98.1	96.0	96.3	98.5	99.5	96.9	97.7	99.3	100.0
74 MPH	99.6	99.1	99.4	99.4	100.0	98.1	100.0	100.0	100.0	100.0	100.0	100.0
79 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION	EB											
NUMBER OF VEHICLES	114	105	89	81	25	24	103	104	30	25	73	79
AVERAGE SPEED	60.50	56.90	60.50	56.88	60.80	57.00	59.40	57.20	60.50	57.24	59.00	57.19
DIRECTION	WB											
NUMBER OF VEHICLES	116	110	91	80	25	30	96	116	34	18	62	98
AVERAGE SPEED	58.10	57.95	58.00	57.67	58.30	58.70	55.20	56.16	54.80	56.67	55.40	56.07

TABLE A-7 SPEED DATA Free Flow

STATION 4L-1 HIGHWAY U.S. 41 LOCATION 7.0 miles south of S.R. 64

NO. OF LANES 4 TYPE OF SURFACE asphalt WEATHER hazy

THIS OBSERVATION
DATE 6-5-79
TIME 2:50-3:54PM EB
11:54-12:58 PM WB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)
DATE
TIME

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	0	254	0	205	0	49	0	176	0	75	0	101
AVE. SPEED (MPH)	0	56.23	0	56.32	0	55.86	0	56.91	0	56.21	0	57.43
STANDARD DEVIATION	0	4.639	0	4.734	0	4.243	0	5.556	0	5.189	0	5.785
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	.4	0	.5	0	0	0	.6	0	0	0	1.0
PERCENT 44 MPH	0	.8	0	1.0	0	0	0	3.4	0	2.7	0	4.0
OF 49 MPH	0	6.3	0	7.8	0	0	0	8.0	0	9.3	0	6.9
VEHICLES 54 MPH	0	31.5	0	29.3	0	40.8	0	27.8	0	34.7	0	22.8
TRAVELING 59 MPH	0	79.1	0	78.0	0	83.7	0	71.6	0	80.0	0	65.3
AT OR 64 MPH	0	96.1	0	96.6	0	93.9	0	90.9	0	92.0	0	90.1
LESS THAN 69 MPH	0	99.6	0	99.5	0	100.0	0	100.0	0	100.0	0	100.0
74 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
79 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION EB												
NUMBER OF VEHICLES	0	125	0	101	0	24	0	88	0	40	0	48
AVERAGE SPEED	0	56.79	0	56.94	0	56.17	0	57.68	0	56.22	0	58.90
DIRECTION WB												
NUMBER OF VEHICLES	0	129	0	104	0	25	0	88	0	35	0	53
AVERAGE SPEED	0	55.68	0	55.71	0	55.56	0	56.14	0	56.20	0	56.79

TABLE A 8 SPEED DATA Free Flow

STATION 4L-16 HIGHWAY U.S. 52 LOCATION 0.35 miles south of S.R. 47

NO. OF LANES 4 TYPE OF SURFACE asphalt WEATHER partly sunny

THIS OBSERVATION
DATE 5-16-79
TIME 12:33-2:58 PM EB
9:43-11:42 AM WB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)
DATE
TIME

	PASSENGER CARS						TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT
NUMBER OF VEHICLES	0	282	0	273	0	9	0	142	0	64	0	78
AVE. SPEED (MPH)	0	55.81	0	55.89	0	53.33	0	55.11	0	55.53	0	54.77
STANDARD DEVIATION	0	5.283	0	5.283	0	4.924	0	5.890	0	5.558	0	6.164
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	.7	0	0	0	1.3
39 MPH	0	.4	0	.4	0	0	0	2.1	0	0	0	3.8
PERCENT 44 MPH	0	3.2	0	3.3	0	0	0	6.3	0	7.8	0	5.1
OF 49 MPH	0	12.4	0	11.7	0	33.3	0	14.8	0	14.1	0	15.4
VEHICLES 54 MPH	0	34.0	0	33.3	0	55.6	0	36.6	0	34.4	0	38.5
TRAVELING 59 MPH	0	76.2	0	75.8	0	88.9	0	82.4	0	81.3	0	83.3
AT OR 64 MPH	0	95.7	0	95.6	0	100.0	0	96.5	0	95.3	0	97.4
LESS THAN 69 MPH	0	99.3	0	99.3	0	100.0	0	100.0	0	100.0	0	100.0
74 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
79 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION EB												
NUMBER OF VEHICLES	0	132	0	126	0	6	0	82	0	40	0	42
AVERAGE SPEED	0	55.78	0	55.95	0	52.17	0	55.90	0	56.30	0	55.52
DIRECTION WB												
NUMBER OF VEHICLES	0	150	0	147	0	3	0	60	0	24	0	36
AVERAGE SPEED		55.83	0	55.84	0	55.67	0	54.03	0	54.25	0	53.9

TABLE A 9 SPEED DATA Free Flow

STATION 2L-18 HIGHWAY U.S. 35 LOCATION 2.4 miles east of I-69

NO. OF LANES 2 TYPE OF SURFACE asphalt WEATHER cloudy

THIS OBSERVATION
DATE 5-22-79
TIME 1:35-3:06 PM

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 108)
DATE 4-3-79
TIME 10:20 AM - 12:40 PM

	PASSENGER CARS						TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		≤5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	248	276	236	219	12	57	178	148	86	57	92	91
AVE. SPEED (MPH)	58.00	56.54	57.90	56.33	59.20	57.33	56.60	55.67	57.70	56.56	55.70	55.11
STANDARD DEVIATION	5.579	4.563	5.616	4.466	4.840	4.875	5.874	5.399	5.626	6.234	5.959	4.755
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	.4	0	.5	0	0	0	1.4	0	1.8	0	1.1
PERCENT 44 MPH	.8	.7	.8	.9	0	0	1.7	2.7	0	1.8	3.3	3.3
OF 49 MPH	4.4	3.6	4.2	3.7	8.3	3.5	11.2	10.1	8.1	8.8	14.1	11.0
VEHICLES 54 MPH	25.0	30.4	25.0	31.5	25.0	26.3	34.8	35.1	26.7	35.1	42.4	35.2
TRAVELING 59 MPH	62.9	77.9	64.0	79.9	41.7	70.2	69.1	81.8	65.1	77.2	72.8	84.6
AT OR 64 MPH	89.9	96.0	89.4	96.3	100.0	94.7	93.3	93.2	93.0	84.2	93.5	98.9
LESS THAN 69 MPH	96.4	99.3	96.2	99.5	100.0	98.2	98.9	99.3	98.8	98.2	98.9	100.0
74 MPH	99.2	99.6	99.2	99.5	100.0	100.0	99.4	99.3	98.8	98.2	100.0	100.0
79 MPH	100.0	100.0	100.0	100.0	100.0	100.0	99.4	100.0	98.8	100.0	100.0	100.0
84 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION	EB											
NUMBER OF VEHICLES	128	139	123	106	5	33	89	72	48	24	41	48
AVERAGE SPEED	57.50	56.50	57.40	56.10	58.40	57.79	56.30	55.31	57.50	55.42	54.90	55.25
DIRECTION	WB											
NUMBER OF VEHICLES	120	137	113	113	7	24	89	76	38	33	51	43
AVERAGE SPEED	58.50	56.57	58.40	56.54	59.70	56.71	57.00	56.01	57.90	57.39	56.30	54.95

TABLE A 10 SPEED DATA Free Flow

STATION 2L-54 HIGHWAY U.S. 231 LOCATION 1.1 miles south of S.R. 234

NO. OF LANES 2 TYPE OF SURFACE asphalt WEATHER sunny

THIS OBSERVATION
DATE 5-15-79
TIME 9:52 AM - 3:15 PM

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 108)
DATE 3-16-79
TIME 10:07 AM - 12:57 PM

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	251	245	211	231	40	14	181	196	86	89	95	107
AVE. SPEED (MPH)	57.76	57.65	57.46	57.03	59.70	57.36	56.70	56.24	57.90	56.08	55.60	56.37
STANDARD DEVIATION	5.838	5.451	5.355	5.411	7.707	6.283	6.193	5.835	6.172	6.198	6.033	5.541
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	.4	0	.4	0	0	0	.5	0	1.1	0	0
PERCENT 44 MPH	.4	1.6	0	1.7	2.5	0	2.2	3.6	0	2.2	4.2	4.7
OF 49 MPH	6.4	6.9	6.2	6.9	7.5	7.1	11.6	10.7	9.3	10.1	13.7	11.2
VEHICLES 54 MPH	28.3	30.6	29.9	30.3	20.0	35.7	37.6	36.2	31.4	39.3	43.2	33.6
TRAVELING 59 MPH	64.5	68.2	65.4	68.4	60.0	64.3	66.3	74.5	61.6	76.4	70.5	72.9
AT OR 64 MPH	88.4	91.8	89.6	92.2	82.5	85.7	89.0	92.9	86.0	91.0	91.6	94.4
LESS THAN 69 MPH	97.2	98.4	97.6	98.3	95.0	100.0	97.8	99.0	95.3	97.8	100.0	100.0
74 MPH	99.2	100.0	99.5	100.0	97.5	100.0	100.0	99.5	100.0	98.9	100.0	100.0
79 MPH	99.6	100.0	100.0	100.0	97.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 MPH	99.6	100.0	100.0	100.0	97.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION	NB											
NUMBER OF VEHICLES	122	106	102	103	20	3	99	108	46	44	53	64
AVERAGE SPEED	57.60	56.95	56.80	57.06	61.70	53.33	57.20	56.19	59.00	56.39	55.60	56.27
DIRECTION	SB											
NUMBER OF VEHICLES	129	139	109	128	20	11	82	88	40	45	42	43
AVERAGE SPEED	57.80	57.12	57.90	57.01	57.70	58.45	56.00	56.32	56.60	56.27	55.52	56.53

TABLE A-11 SPEED DATA Free Flow

STATION 2L-16 HIGHWAY S.R. 3 LOCATION 1.75 miles south of S.R. 46

NO. OF LANES 2 TYPE OF SURFACE asphalt WEATHER cloudy

THIS OBSERVATION
DATE 5-24-79
TIME 9:28 AM - 1:55 PM

LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)
DATE
TIME

	PASSENGER CARS						TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		≥5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	0	275	0	263	0	12	0	156	0	81	0	75
AVE. SPEED (MPH)	0	55.62	0	55.59	0	56.25	0	54.56	0	55.54	0	53.49
STANDARD DEVIATION	0	6.244	0	6.315	0	4.555	0	6.907	0	5.766	0	7.859
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	1.1	0	1.1	0	0	0	3.8	0	1.2	0	6.7
44 MPH	0	5.5	0	5.7	0	0	0	10.3	0	3.7	0	17.3
49 MPH	0	12.7	0	12.9	0	8.3	0	17.9	0	11.1	0	25.3
54 MPH	0	44.0	0	44.5	0	33.3	0	42.3	0	37.0	0	48.0
59 MPH	0	76.0	0	75.7	0	83.3	0	79.5	0	81.5	0	77.3
64 MPH	0	94.2	0	94.3	0	91.7	0	94.9	0	92.6	0	97.3
69 MPH	0	97.5	0	97.3	0	100.0	0	99.4	0	100.0	0	98.7
74 MPH	0	98.2	0	98.1	0	100.0	0	100.0	0	100.0	0	100.0
79 MPH	0	99.6	0	99.6	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION NB												
NUMBER OF VEHICLES	0	144	0	139	0	5	0	75	0	43	0	32
AVERAGE SPEED	0	54.79	0	54.68	0	57.80	0	54.25	0	54.95	0	53.31
DIRECTION SB												
NUMBER OF VEHICLES	0	131	0	124	0	7	0	81	0	38	0	43
AVERAGE SPEED	0	56.53	0	56.60	0	55.14	0	54.84	0	56.21	0	53.43

TABLE A12 SPEED DATA Free Flow

STATION 2L-83 HIGHWAY U.S. 136 LOCATION 2.85 miles west of S.R. 63

NO. OF LANES 2 TYPE OF SURFACE asphalt WEATHER sunny

THIS OBSERVATION
DATE 6-11-79
TIME 9:56 AM - 1:05 PM

LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)
DATE
TIME

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	0	300	0	216	0	84	0	160	0	93	0	67
AVE. SPEED (MPH)	0	56.39	0	56.67	0	55.67	0	55.10	0	55.01	0	55.22
STANDARD DEVIATION	0	6.581	0	6.561	0	6.619	0	5.892	0	5.472	0	6.466
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	.7	0	.5	0	1.2	0	.6	0	1.1	0	0
39 MPH	0	1.7	0	1.4	0	2.4	0	1.3	0	1.1	0	1.5
PERCENT 44 MPH	0	2.7	0	2.8	0	2.4	0	4.4	0	2.2	0	7.5
OF 49 MPH	0	9.7	0	8.8	0	11.9	0	13.1	0	10.8	0	16.4
VEHICLES 54 MPH	0	35.7	0	34.3	0	39.3	0	45.6	0	47.3	0	41.8
TRAVELING 59 MPH	0	75.0	0	72.2	0	82.1	0	80.0	0	80.6	0	79.1
AT OR 64 MPH	0	90.0	0	89.4	0	91.7	0	96.3	0	96.8	0	95.5
LESS THAN 69 MPH	0	96.3	0	95.4	0	98.8	0	99.4	0	100.0	0	98.5
74 MPH	0	99.3	0	99.5	0	98.8	0	99.4	0	100.0	0	98.5
79 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION EB												
NUMBER OF VEHICLES	0	149	0	113	0	46	0	82	0	46	0	36
AVERAGE SPEED	0	56.54	0	56.83	0	55.89	0	55.80	0	55.20	0	56.58
DIRECTION WB												
NUMBER OF VEHICLES	0	151	0	113	0	38	0	78	0	47	0	31
AVERAGE SPEED	0	56.23	0	56.51	0	55.39	0	54.36	0	54.83	0	53.65

TABLE A13 SPEED DATA Free Flow

STATION UI-6 HIGHWAY I-65 LOCATION just east of White River

NO. OF LANES 6 TYPE OF SURFACE concrete WEATHER clear

THIS OBSERVATION
DATE 5-21-79
TIME 10:02-10:40 AM EB
12:50-1:25 PM WB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 108)
DATE 3-27-79
TIME 10:13-11:01 AM EB
11:14-11:50 AM WB

	PASSENGER CARS						TRUCKS					
	ALL		INDIANA		NON-INDIANA		ALL		≤5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	273	360	256	289	17	71	149	161	82	75	67	86
AVE. SPEED (MPH)	58.30	57.92	58.20	57.55	59.50	59.42	57.10	57.96	58.10	58.81	56.00	57.22
STANDARD DEVIATION	4.515	4.270	4.485	3.877	4.926	5.368	4.559	4.435	4.124	5.061	4.824	3.660
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0
44 MPH	0	.3	0	.3	0	0	1.3	.6	0	1.3	3.0	0
49 MPH	2.9	1.7	3.1	1.4	0	2.8	4.7	2.5	1.2	2.7	9.0	2.3
54 MPH	17.6	20.0	17.6	20.8	17.6	16.9	26.2	15.5	22.0	10.7	31.3	19.8
59 MPH	61.2	67.2	61.7	72.3	52.9	46.5	71.1	70.2	64.6	65.3	79.1	74.4
64 MPH	93.8	95.0	93.8	97.2	94.1	85.9	96.6	93.2	95.1	86.7	98.5	98.8
69 MPH	98.9	99.2	99.2	99.7	94.1	97.2	100.0	98.8	100.0	97.3	100.0	100.0
74 MPH	99.6	99.4	99.6	99.7	100.0	98.6	100.0	99.4	100.0	98.7	100.0	100.0
79 MPH	99.6	99.7	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION	EB											
NUMBER OF VEHICLES	136	187	130	147	6	40	74	78	41	41	33	37
AVERAGE SPEED	58.40	58.17	58.40	57.67	57.70	60.02	57.30	58.31	58.00	59.17	56.30	57.35
DIRECTION	WB											
NUMBER OF VEHICLES	137	173	126	142	11	31	75	83	41	34	34	49
AVERAGE SPEED	58.30	57.65	58.10	57.44	60.50	58.65	57.00	57.64	58.10	58.38	55.60	57.12

TABLE A14 SPEED DATA Free Flow

STATION UI-8 HIGHWAY I-265 LOCATION 1.45 miles north of I-64

NO. OF LANES 4 TYPE OF SURFACE concrete WEATHER hazy, cloudy

THIS OBSERVATION
DATE 6-6-79
TIME 12:58-2:22 PM NB
9:12-10:20 AM SB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)
DATE
TIME

	PASSENGER CARS						TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT
NUMBER OF VEHICLES	0	253	0	245	0	8	0	174	0	91	0	83
AVE. SPEED (MPH)	0	56.81	0	56.87	0	55.25	0	56.51	0	56.35	0	56.69
STANDARD DEVIATION	0	4.914	0	4.947	0	3.615	0	5.894	0	5.602	0	6.227
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	.6	0	0	0	1.2
PERCENT 44 MPH	0	.8	0	.8	0	0	0	1.7	0	1.1	0	2.4
OF 49 MPH	0	4.7	0	4.9	0	0	0	10.9	0	8.8	0	13.3
VEHICLES 54 MPH	0	32.4	0	31.8	0	50.0	0	37.9	0	39.6	0	36.1
TRAVELING 59 MPH	0	72.7	0	72.2	0	87.5	0	72.4	0	73.6	0	71.1
AT OR 64 MPH	0	94.5	0	94.3	0	100.0	0	93.1	0	94.5	0	91.6
LESS THAN 69 MPH	0	98.8	0	98.8	0	100.0	0	98.3	0	96.7	0	100.0
74 MPH	0	99.2	0	99.2	0	100.0	0	99.4	0	98.9	0	100.0
79 MPH	0	100.0	0	100.	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION NB												
NUMBER OF VEHICLES	0	140	0	137	0	3	0	74	0	44	0	30
AVERAGE SPEED	0	57.23	0	57.26	0	55.67	0	57.57	0	57.80	0	57.23
DIRECTION SB												
NUMBER OF VEHICLES	0	113	0	108	0	5	0	100	0	47	0	53
AVERAGE SPEED	0	56.30	0	56.36	0	55.00	0	55.73	0	55.00	0	56.38

TABLE A 15 SPEED DATA Free Flow

STATION RIALL HIGHWAY rural interstate LOCATION see individual stations

NO. OF LANES _____ TYPE OF SURFACE _____ WEATHER _____

THIS OBSERVATION
DATE May-June, 1979
TIME _____

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. ____)
DATE _____
TIME _____

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	0	1079	0	535	0	544	0	637	0	158	0	479
AVE. SPEED (MPH)	0	59.37	0	59.56	0	59.18	0	59.15	0	58.13	0	59.49
STANDARD DEVIATION	0	4.326	0	4.434	0	4.213	0	4.589	0	4.454	0	4.587
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0
PERCENT 44 MPH	0	.2	0	0	0	.4	0	0	0	0	0	0
OF 49 MPH	0	.5	0	.2	0	.7	0	3.1	0	3.2	0	3.1
VEHICLES 54 MPH	0	11.3	0	9.9	0	12.7	0	13.7	0	18.4	0	12.1
TRAVELING 59 MPH	0	56.1	0	56.3	0	55.9	0	52.6	0	64.6	0	49.6
AT OR 64 MPH	0	88.0	0	86.4	0	89.7	0	88.1	0	88.0	0	88.1
LESS THAN 69 MPH	0	98.1	0	97.2	0	99.1	0	99.4	0	100.0	0	99.2
74 MPH	0	99.5	0	99.4	0	99.6	0	99.8	0	100.0	0	99.8
79 MPH	0	99.8	0	99.8	0	99.8	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0

TABLE A16 -- SPEED DATA Free Flow

STATION 4LALL HIGHWAY 4-lane rural LOCATION see individual stations

NO. OF LANES _____ TYPE OF SURFACE _____ WEATHER _____

THIS OBSERVATION
DATE May-June, 1979
TIME _____

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. ____)
DATE _____
TIME _____

	PASSENGER CARS						TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		≤5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT
NUMBER OF VEHICLES	0	1023	0	884	0	139	0	688	0	266	0	422
AVE. SPEED (MPH)	0	56.33	0	56.27	0	56.73	0	55.93	0	55.61	0	56.13
STANDARD DEVIATION	0	5.134	0	5.201	0	4.687	0	5.753	0	5.491	0	5.909
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	.1	0	0	0	.2
34 MPH	0	0	0	0	0	0	0	.3	0	0	0	.5
39 MPH	0	.2	0	.2	0	0	0	1.5	0	.8	0	1.9
PERCENT 44 MPH	0	1.7	0	1.9	0	0	0	4.2	0	4.5	0	4.0
OF 49 MPH	0	9.8	0	10.5	0	5.0	0	10.8	0	12.8	0	9.5
VEHICLES 54 MPH	0	31.5	0	31.9	0	28.8	0	33.3	0	35.7	0	31.8
TRAVELING 59 MPH	0	75.3	0	74.4	0	80.6	0	76.7	0	81.6	0	73.7
AT OR 64 MPH	0	95.9	0	95.9	0	95.7	0	94.3	0	94.4	0	94.3
LESS THAN 69 MPH	0	99.0	0	99.1	0	98.6	0	99.7	0	99.6	0	99.8
74 MPH	0	99.6	0	99.7	0	99.3	0	100.0	0	100.0	0	100.0
79 MPH	0	99.8	0	99.8	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	99.9	0	99.9	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0

TABLE A17 SPEED DATA Free Flow

STATION 2LALL HIGHWAY 2-lane rural LOCATION see individual stations

NO. OF LANES _____ TYPE OF SURFACE _____ WEATHER _____

THIS OBSERVATION
DATE May-June, 1979
TIME _____

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. _____)
DATE _____
TIME _____

	PASSENGER CARS						TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT
NUMBER OF VEHICLES	0	1096	0	929	0	167	0	660	0	320	0	340
AVE. SPEED (MPH)	0	56.38	0	56.37	0	56.42	0	55.44	0	55.72	0	55.17
STANDARD DEVIATION	0	5.804	0	5.786	0	5.919	0	6.048	0	5.892	0	6.189
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	.2	0	.1	0	.6	0	.2	0	.3	0	.1
39 MPH	0	.9	0	.9	0	1.2	0	1.7	0	1.3	0	2.1
PERCENT 44 MPH	0	2.6	0	2.9	0	1.2	0	5.2	0	2.5	0	7.6
OF 49 MPH	0	8.3	0	8.3	0	8.4	0	12.9	0	10.3	0	15.3
VEHICLES 54 MPH	0	35.3	0	35.5	0	34.1	0	39.5	0	40.3	0	38.8
TRAVELING 59 MPH	0	74.5	0	74.1	0	76.6	0	78.6	0	79.1	0	78.2
AT OR 64 MPH	0	93.0	0	93.1	0	92.2	0	94.2	0	91.9	0	96.5
LESS THAN 69 MPH	0	97.8	0	97.6	0	98.8	0	99.2	0	99.1	0	99.4
74 MPH	0	99.3	0	99.2	0	99.4	0	99.5	0	99.4	0	99.7
79 MPH	0	99.9	0	99.9	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0

TABLE A18 SPEED DATA Free Flow

STATION UIALL HIGHWAY urban interstate LOCATION see individual stations

NO. OF LANES TYPE OF SURFACE WEATHER

THIS OBSERVATION
DATE May-June, 1979
TIME

LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)
DATE
TIME

	PASSENGER CARS						TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT
NUMBER OF VEHICLES	0	613	0	534	0	79	0	335	0	166	0	169
AVE. SPEED (MPH)	0	57.46	0	57.24	0	59.00	0	57.21	0	57.46	0	56.96
STANDARD DEVIATION	0	4.576	0	4.41	0	5.352	0	5.286	0	5.488	0	5.084
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	.3	0	0	0	.6
PERCENT 44 MPH	0	.5	0	.6	0	0	0	1.2	0	1.2	0	1.2
OF 49 MPH	0	2.9	0	3.0	0	2.5	0	6.9	0	6.0	0	7.7
VEHICLES 54 MPH	0	25.1	0	25.8	0	20.3	0	27.2	0	26.5	0	27.8
TRAVELING 59 MPH	0	69.5	0	72.3	0	50.6	0	71.3	0	69.9	0	72.8
AT OR 64 MPH	0	94.8	0	95.9	0	87.3	0	93.1	0	91.0	0	95.3
LESS THAN 69 MPH	0	99.0	0	99.3	0	97.5	0	98.5	0	97.0	0	100.0
74 MPH	0	99.3	0	99.4	0	98.7	0	99.4	0	98.8	0	100.0
79 MPH	0	99.8	0	99.8	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0

TABLE A19 SPEED DATA Free Flow

STATION ALL HIGHWAY Indiana System LOCATION see individual stations

NO. OF LANES _____ TYPE OF SURFACE _____ WEATHER _____

THIS OBSERVATION
DATE May-June, 1979
TIME _____

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. ____)
DATE _____
TIME _____

	PASSENGER CARS						TRUCKS					
	ALL		INDIANA		NON-INDIANA		ALL		≤5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	0	3811	0	2882	0	929	0	2320	0	910	0	1410
AVE. SPEED (MPH)	0	57.39	0	57.09	0	58.30	0	56.86	0	56.42	0	57.14
STANDARD DEVIATION	0	5.207	0	5.275	0	4.881	0	5.683	0	5.562	0	5.744
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	.1
34 MPH	0	.1	0	.0	0	.1	0	.1	0	.1	0	.1
39 MPH	0	.3	0	.3	0	.2	0	.9	0	.7	0	1.1
PERCENT 44 MPH	0	1.3	0	1.6	0	.4	0	2.9	0	2.4	0	3.2
OF 49 MPH	0	5.6	0	6.5	0	2.9	0	8.7	0	9.0	0	8.5
VEHICLES 54 MPH	0	25.8	0	27.9	0	19.6	0	28.8	0	32.6	0	26.3
TRAVELING 59 MPH	0	68.7	0	70.4	0	62.9	0	69.9	0	75.6	0	66.2
AT OR 64 MPH	0	92.7	0	93.6	0	90.9	0	92.4	0	91.8	0	92.8
LESS THAN 69 MPH	0	98.4	0	98.7	0	98.8	0	99.3	0	99.2	0	99.5
74 MPH	0	99.4	0	99.4	0	99.5	0	99.7	0	99.6	0	99.9
79 MPH	0	99.8	0	99.8	0	99.9	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0

TABLE A 20 SPEED DATA Every second vehicle

STATION RI-6 HIGHWAY I-65 LOCATION 7.5 miles north of S.R. 160

NO. OF LANES 4 TYPE OF SURFACE asphalt WEATHER cloudy

THIS OBSERVATION
DATE 6-13-79
TIME 8:48-9:35 AM NB
10:14-11:28 AM SB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)
DATE
TIME

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		≤5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	0	236	0	173	0	63	0	186	0	57	0	129
AVE. SPEED (MPH)	0	59.91	0	59.88	0	59.98	0	60.03	0	59.26	0	60.36
STANDARD DEVIATION	0	5.306	0	5.436	0	4.976	0	5.144	0	4.508	0	5.288
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0
PERCENT 44 MPH	0	.4	0	0	0	1.6	0	1.6	0	1.8	0	1.6
OF 49 MPH	0	2.5	0	2.3	0	3.2	0	3.2	0	3.5	0	3.1
VEHICLES 54 MPH	0	11.4	0	13.3	0	6.3	0	9.7	0	7.0	0	10.9
TRAVELING 59 MPH	0	47.9	0	48.6	0	46.0	0	42.5	0	50.9	0	38.8
AT OR 64 MPH	0	82.2	0	81.5	0	84.1	0	82.3	0	87.7	0	79.8
LESS THAN 69 MPH	0	95.3	0	94.8	0	96.8	0	97.3	0	98.2	0	96.9
74 MPH	0	98.7	0	98.3	0	100.0	0	100.0	0	100.0	0	100.0
79 MPH	0	99.6	0	99.4	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION NB												
NUMBER OF VEHICLES	0	115	0	79	0	36	0	96	0	27	0	69
AVERAGE SPEED	0	60.37	0	60.44	0	60.19	0	60.35	0	59.67	0	60.62
DIRECTION SB												
NUMBER OF VEHICLES	0	121	0	94	0	27	0	90	0	30	0	60
AVERAGE SPEED	0	59.48	0	59.41	0	59.70	0	59.68	0	58.99	0	60.07

TABLE A 21 SPEED DATA Every third vehicle

STATION RI-16 HIGHWAY I-70 LOCATION at S.R. 1 bridge

NO. OF LANES 4 TYPE OF SURFACE concrete WEATHER hazy

THIS OBSERVATION
DATE 5-23-79
TIME 1:55-3:33 PM EB
10:06 AM - 12:20 PM WB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)
DATE
TIME

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	0	248	0	91	0	157	0	194	0	46	0	148
AVE. SPEED (MPH)	0	58.66	0	58.91	0	58.51	0	58.94	0	58.13	0	59.19
STANDARD DEVIATION	0	4.465	0	4.409	0	4.504	0	4.123	0	4.183	0	4.086
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0
PERCENT 44 MPH	0	0	0	0	0	0	0	0	0	0	0	0
OF 49 MPH	0	1.6	0	0	0	2.5	0	1.1	0	0	0	2.7
VEHICLES 54 MPH	0	15.3	0	12.1	0	17.2	0	13.4	0	15.2	0	12.8
TRAVELING 59 MPH	0	62.5	0	64.8	0	61.1	0	54.6	0	58.7	0	53.4
AT OR 64 MPH	0	86.3	0	83.5	0	87.9	0	90.2	0	91.3	0	89.9
LESS THAN 69 MPH	0	98.4	0	98.9	0	98.1	0	99.5	0	100.0	0	99.3
74 MPH	0	99.6	0	98.9	0	100.0	0	100.0	0	100.0	0	100.0
79 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION EB												
NUMBER OF VEHICLES	0	120	0	29	0	91	0	90	0	25	0	65
AVERAGE SPEED	0	57.90	0	57.59	0	58.00	0	58.34	0	58.48	0	58.29
DIRECTION WB												
NUMBER OF VEHICLES	0	128	0	62	0	66	0	104	0	21	0	83
AVERAGE SPEED	0	59.37	0	59.53	0	59.21	0	59.45	0	57.71	0	59.89

TABLE A 22 SPEED DATA Every Second Vehicle

STATION 4L-32 HIGHWAY U.S. 30 LOCATION 2.9 miles west of Wanatah City Limit sign

NO. OF LANES 4 TYPE OF SURFACE asphalt WEATHER hazy

THIS OBSERVATION
DATE 5-17-79
TIME 3:35-3:30 PM EB
10:53 AM - 1:05 PM WB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)
DATE
TIME

	PASSENGER CARS						TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		≤5000 LBS.		≥5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	-0	259	-0	195	-0	64	-0	183	-0	51	-0	132
AVE. SPEED (MPH)	-0	56.86	-0	56.29	-0	58.58	-0	56.55	-0	57.22	-0	56.30
STANDARD DEVIATION	-0	4.470	-0	4.212	-0	4.817	-0	4.925	-0	5.994	-0	4.444
24 MPH	-0	0	-0	0	-0	0	-0	0	-0	0	-0	0
29 MPH	-0	0	-0	0	-0	0	-0	0	-0	0	-0	0
34 MPH	-0	0	-0	0	-0	0	-0	0	-0	0	-0	0
39 MPH	-0	0	-0	0	-0	0	-0	.5	-0	2.0	-0	0
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 44 MPH	-0	1.5	-0	2.1	-0	0	-0	1.1	-0	2.0	-0	.8
49 MPH	-0	4.2	-0	5.6	-0	0	-0	7.7	-0	9.8	-0	6.8
54 MPH	-0	27.4	-0	30.8	-0	17.2	-0	32.8	-0	29.4	-0	34.1
59 MPH	-0	78.4	-0	81.5	-0	70.3	-0	75.4	-0	66.7	-0	78.8
64 MPH	-0	95.4	-0	97.9	-0	87.5	-0	95.6	-0	92.2	-0	97.0
69 MPH	-0	98.8	-0	100.0	-0	95.3	-0	98.4	-0	94.1	-0	100.0
74 MPH	-0	99.6	-0	100.0	-0	98.4	-0	100.0	-0	100.0	-0	100.0
79 MPH	-0	100.0	-0	100.0	-0	100.0	-0	100.0	-0	100.0	-0	100.0
84 MPH	-0	100.0	-0	100.0	-0	100.0	-0	100.0	-0	100.0	-0	100.0
89 MPH	-0	100.0	-0	100.0	-0	100.0	-0	100.0	-0	100.0	-0	100.0
DIRECTION EB												
NUMBER OF VEHICLES	-0	139	-0	103	-0	36	-0	76	-0	26	-0	50
AVERAGE SPEED	-0	56.48	-0	55.99	-0	57.89	-0	57.57	-0	57.08	-0	57.82
DIRECTION WB												
NUMBER OF VEHICLES	-0	120	-0	92	-0	28	-0	107	-0	25	-0	82
AVERAGE SPEED	-0	57.29	-0	56.63	-0	59.46	-0	55.83	-0	57.36	-0	55.37

TABLE A 23 SPEED DATA Every Second Vehicle

STATION 4L-1 HIGHWAY U.S. 41 LOCATION 7 miles south of S.R. 64

NO. OF LANES 4 TYPE OF SURFACE asphalt WEATHER hazy

THIS OBSERVATION
DATE 6-5-79
TIME 3:24-4:38 PM NB
12:27-2:08 PM SB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)
DATE
TIME

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		≤5000 LBS.		≥5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	0	265	0	229	0	36	0	160	0	81	0	79
AVE. SPEED (MPH)	0	55.90	0	55.83	0	56.33	0	56.99	0	55.83	0	58.19
STANDARD DEVIATION	0	4.597	0	4.728	0	3.680	0	4.924	0	4.058	0	5.447
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	.4	0	.4	0	0	0	0	0	0	0	0
PERCENT 44 MPH	0	.8	0	.9	0	0	0	.6	0	1.2	0	0
OF 49 MPH	0	6.0	0	6.6	0	2.8	0	6.3	0	8.6	0	3.8
VEHICLES 54 MPH	0	39.2	0	40.2	0	33.3	0	29.4	0	32.3	0	25.3
TRAVELING 59 MPH	0	81.1	0	81.2	0	80.6	0	71.9	0	82.7	0	60.8
AT OR 64 MPH	0	97.0	0	96.9	0	97.2	0	96.9	0	100.0	0	93.7
LESS THAN 69 MPH	0	99.2	0	99.1	0	100.0	0	98.8	0	100.0	0	97.5
74 MPH	0	99.6	0	99.6	0	100.0	0	99.4	0	100.0	0	98.7
79 MPH	0	100.0	0	100.0	0	100.0	0	99.4	0	100.0	0	98.7
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION NB												
NUMBER OF VEHICLES	0	130	0	114	0	16	0	82	0	43	0	39
AVERAGE SPEED	0	56.22	0	56.23	0	56.12	0	57.28	0	56.60	0	58.13
DIRECTION SB												
NUMBER OF VEHICLES	0	135	0	115	0	20	0	78	0	38	0	40
AVERAGE SPEED	0	55.60	0	55.44	0	56.50	0	56.69	0	54.95	0	58.38

TABLE A 24 SPEED DATA Every Second Vehicle (first 1/2 hour)
Every Vehicle, Separate Lane (15 min. intervals)

STATION 2L-54 HIGHWAY U.S. 231 LOCATION 1.1 miles south of S.R. 234

NO. OF LANES 2 TYPE OF SURFACE asphalt WEATHER sunny

THIS OBSERVATION
DATE 5-15-79
TIME 10:26 AM - 4:20 PM

LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)
DATE
TIME

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		≤5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT
NUMBER OF VEHICLES	0	296	0	275	0	21	0	127	0	60	0	67
AVE. SPEED (MPH)	0	56.57	0	56.59	0	56.33	0	54.48	0	54.75	0	54.24
STANDARD DEVIATION	0	5.906	0	5.906	0	6.044	0	5.683	0	6.356	0	5.243
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	.3	0	.4	0	0	0	.8	0	1.7	0	0
PERCENT 44 MPH	0	3.4	0	3.3	0	4.8	0	6.3	0	5.0	0	7.5
OF 49 MPH	0	9.5	0	9.1	0	14.3	0	13.4	0	13.3	0	13.4
VEHICLES 54 MPH	0	34.8	0	34.9	0	33.3	0	50.4	0	56.7	0	44.8
TRAVELING 59 MPH	0	69.6	0	69.5	0	71.4	0	85.8	0	85.0	0	86.6
AT OR 64 MPH	0	91.6	0	91.3	0	95.2	0	96.9	0	93.3	0	100.0
LESS THAN 69 MPH	0	99.7	0	99.6	0	100.0	0	99.2	0	98.3	0	100.0
74 MPH	0	99.7	0	99.6	0	100.0	0	99.2	0	98.3	0	100.0
79 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION NB												
NUMBER OF VEHICLES	0	142	0	134	0	8	0	69	0	27	0	42
AVERAGE SPEED	0	56.64	0	56.57	0	57.75	0	54.38	0	54.85	0	54.17
DIRECTION SB												
NUMBER OF VEHICLES	0	154	0	141	0	13	0	58	0	33	0	25
AVERAGE SPEED	0	56.51	0	56.61	0	55.46	0	54.60	0	54.67	0	54.52

TABLE A 25 SPEED DATA Every second vehicle

STATION 21-16 HIGHWAY S.R. 3 LOCATION 1.75 miles south of S.R. 46

NO. OF LANES 2 TYPE OF SURFACE asphalt WEATHER cloudy

THIS OBSERVATION
DATE 5-24-79
TIME 10:00 AM - 3:05 PM

LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)
DATE
TIME

	PASSENGER CARS						TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		≤5000 LBS.		≥5000 LBS.	
OBSERVATION	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT
NUMBER OF VEHICLES	0	360	0	358	0	2	0	62	0	22	0	40
AVE. SPEED (MPH)	0	55.49	0	55.48	0	57.00	0	55.82	0	57.23	0	55.68
STANDARD DEVIATION	0	6.282	0	6.299	0	0	0	6.720	0	6.546	0	6.771
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	.3	0	.3	0	0	0	0	0	0	0	0
34 MPH	0	.8	0	.8	0	0	0	0	0	0	0	0
39 MPH	0	1.1	0	1.1	0	0	0	3.2	0	0	0	5.0
PERCENT 44 MPH	0	3.9	0	3.9	0	0	0	6.5	0	4.5	0	7.5
OF 49 MPH	0	15.3	0	15.4	0	0	0	8.1	0	9.1	0	7.5
VEHICLES 54 MPH	0	44.2	0	44.4	0	0	0	38.7	0	31.8	0	42.5
TRAVELING 59 MPH	0	74.4	0	74.3	0	100.0	0	77.4	0	68.2	0	82.5
AT OR 64 MPH	0	93.3	0	93.3	0	100.0	0	91.9	0	90.9	0	92.5
LESS THAN 69 MPH	0	99.2	0	99.2	0	100.0	0	95.2	0	90.9	0	97.5
74 MPH	0	99.7	0	99.7	0	100.0	0	100.0	0	100.0	0	100.0
79 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION	NB											
NUMBER OF VEHICLES	0	189	0	189	0	0	0	21	0	3	0	18
AVERAGE SPEED	0	55.04	0	55.04	0	0	0	54.10	0	58.67	0	53.33
DIRECTION	SB											
NUMBER OF VEHICLES	0	171	0	169	0	2	0	41	0	19	0	22
AVERAGE SPEED	0	55.99	0	55.98	0	57.00	0	56.71	0	57.00	0	56.45

TABLE A 26 SPEED DATA Every Second Vehicle

STATION UI-6 HIGHWAY I-65 LOCATION just east of White River

NO. OF LANES 6 TYPE OF SURFACE concrete WEATHER clear

THIS OBSERVATION
DATE 5-21-79
TIME 10:40 AM - 12:00 N EB
1:25 PM - 2:25 PM WB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)
DATE
TIME

		PASSENGER CARS								TRUCKS					
		ALL		INDIANA		NON-INDIANA		ALL		≤5000 LBS.		>5000 LBS.	
OBSERVATION		LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES		0	323	0	240	0	83	0	138	0	59	0	79
AVE. SPEED (MPH)		0	57.41	0	57.35	0	57.59	0	56.94	0	57.59	0	56.46
STANDARD DEVIATION		0	3.886	0	4.001	0	3.548	0	4.659	0	5.065	0	4.299
	24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
	29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
	34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
	39 MPH	0	0	0	0	0	0	0	0	0	0	0	0
PERCENT	44 MPH	0	0	0	0	0	0	0	.7	0	1.7	0	0
OF	49 MPH	0	2.2	0	2.9	0	0	0	5.1	0	3.4	0	6.3
VEHICLES	54 MPH	0	21.4	0	21.7	0	20.5	0	27.5	0	25.4	0	29.1
TRAVELING	59 MPH	0	69.7	0	70.4	0	67.5	0	73.2	0	67.8	0	77.2
AT OR	64 MPH	0	97.2	0	97.1	0	97.6	0	94.9	0	93.2	0	96.2
LESS THAN	69 MPH	0	99.4	0	99.2	0	100.0	0	99.3	0	98.3	0	100.0
	74 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
	79 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
	84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
	89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION	EB												
NUMBER OF VEHICLES		0	148	0	119	0	29	0	82	0	25	0	57
AVERAGE SPEED		0	57.62	0	57.61	0	57.69	0	57.41	0	59.08	0	56.68
DIRECTION	WB												
NUMBER OF VEHICLES		0	175	0	121	0	54	0	56	0	34	0	22
AVERAGE SPEED		0	57.23	0	57.10	0	57.54	0	56.25	0	56.59	0	55.86

TABLE A 27 SPEED DATA Every Second Vehicle

STATION UI-8 HIGHWAY I-265 LOCATION 1.45 miles north of I-64 interchange

NO. OF LANES 4 TYPE OF SURFACE concrete WEATHER hazy, cloudy

THIS OBSERVATION
DATE 6-6-79
TIME 1:29-3:05 PM NB
9:50-10:48 AM SB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)
DATE
TIME

	PASSENGER CARS						TRUCKS					
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	0	264	0	251	0	13	0	166	0	90	0	76
AVE. SPEED (MPH)	0	57.23	0	57.25	0	56.77	0	56.46	0	56.29	0	56.66
STANDARD DEVIATION	0	5.348	0	5.361	0	5.262	0	5.714	0	5.141	0	6.355
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	.6	0	0	0	1.3
44 MPH	0	.8	0	.8	0	0	0	1.8	0	1.1	0	2.6
49 MPH	0	6.1	0	6.0	0	7.7	0	8.4	0	5.6	0	11.8
54 MPH	0	29.2	0	28.7	0	53.8	0	36.7	0	34.4	0	39.5
59 MPH	0	70.1	0	70.5	0	61.5	0	69.9	0	76.7	0	61.8
64 MPH	0	93.2	0	93.2	0	92.3	0	91.0	0	94.4	0	86.8
69 MPH	0	98.1	0	98.0	0	100.0	0	98.8	0	98.9	0	98.7
74 MPH	0	99.2	0	99.2	0	100.0	0	99.4	0	98.9	0	100.0
79 MPH	0	99.6	0	99.6	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	99.6	0	99.6	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION	NB											
NUMBER OF VEHICLES	0	129	0	121	0	8	0	89	0	52	0	37
AVERAGE SPEED	0	57.05	0	57.13	0	55.75	0	56.91	0	56.58	0	57.38
DIRECTION	SB											
NUMBER OF VEHICLES	0	135	0	130	0	5	0	77	0	38	0	39
AVERAGE SPEED	0	57.41	0	57.37	0	58.40	0	55.94	0	55.89	0	55.97

TABLE A 28 SPEED DATA All Vehicle Technique

STATION RIALL HIGHWAY rural interstate LOCATION see individual stations

NO. OF LANES TYPE OF SURFACE WEATHER

THIS OBSERVATION
DATE May-June, 1979
TIME

LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)
DATE
TIME

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	0	484	0	264	0	220	0	380	0	103	0	277
AVE. SPEED (MPH)	0	59.27	0	59.55	0	58.93	0	59.47	0	58.76	0	59.74
STANDARD DEVIATION	0	4.926	0	5.117	0	4.681	0	4.677	0	4.611	0	4.681
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0
44 MPH	0	.2	0	0	0	.5	0	.8	0	1.0	0	.7
49 MPH	0	2.1	0	1.5	0	2.7	0	2.6	0	1.9	0	2.9
54 MPH	0	13.4	0	12.9	0	14.1	0	11.6	0	10.7	0	11.9
59 MPH	0	55.4	0	54.2	0	56.8	0	48.7	0	54.4	0	46.6
64 MPH	0	84.3	0	82.2	0	86.8	0	86.3	0	89.3	0	85.2
69 MPH	0	96.9	0	96.2	0	97.7	0	98.4	0	99.0	0	98.2
74 MPH	0	99.2	0	98.5	0	100.0	0	100.0	0	100.0	0	100.0
79 MPH	0	99.8	0	99.6	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0

TABLE A 29 SPEED DATA All Vehicle Technique

STATION 4LALL HIGHWAY 4-lane LOCATION see individual stations

NO. OF LANES _____ TYPE OF SURFACE _____ WEATHER _____

THIS OBSERVATION
DATE May-June, 1979
TIME _____

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. ____)
DATE _____
TIME _____

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		≤5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	0	524	0	424	0	100	0	343	0	132	0	211
AVE. SPEED (MPH)	0	56.37	0	56.04	0	57.77	0	56.76	0	56.36	0	57.00
STANDARD DEVIATION	0	4.556	0	4.499	0	4.552	0	4.922	0	4.923	0	4.918
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	.2	0	.2	0	0	0	.3	0	.8	0	.0
PERCENT 44 MPH	0	1.1	0	1.4	0	0	0	.9	0	1.5	0	.5
OF 49 MPH	0	5.2	0	6.1	0	1.0	0	7.0	0	9.1	0	5.7
VEHICLES 54 MPH	0	33.4	0	35.8	0	23.0	0	31.2	0	31.8	0	30.8
TRAVELING 59 MPH	0	79.8	0	81.1	0	74.0	0	73.8	0	76.5	0	72.0
AT OR 64 MPH	0	96.2	0	97.4	0	91.0	0	96.2	0	97.0	0	95.7
LESS THAN 69 MPH	0	99.0	0	99.5	0	97.0	0	98.5	0	97.7	0	99.1
74 MPH	0	99.6	0	99.8	0	99.0	0	99.7	0	100.0	0	99.5
79 MPH	0	100.0	0	100.0	0	100.0	0	99.7	0	100.0	0	99.5
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0

TABLE A 30 SPEED DATA All Vehicle Technique

STATION 2LALL HIGHWAY 2-lane LOCATION see individual stations

NO. OF LANES _____ TYPE OF SURFACE _____ WEATHER _____

THIS OBSERVATION
DATE May-June, 1979
TIME _____

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. ____)
DATE _____
TIME _____

	PASSENGER CARS						TRUCKS					
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		≥5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	0	656	0	633	0	23	0	189	0	82	0	107
AVE. SPEED (MPH)	0	55.98	0	55.97	0	56.39	0	54.92	0	55.41	0	54.54
STANDARD DEVIATION	0	6.134	0	6.151	0	5.766	0	6.058	0	6.462	0	5.732
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	.2	0	.2	0	0	0	0	0	0	0	0
34 MPH	0	.5	0	.5	0	0	0	0	0	0	0	0
39 MPH	0	.8	0	.8	0	0	0	1.6	0	1.2	0	1.9
PERCENT 44 MPH	0	3.7	0	3.6	0	4.3	0	6.3	0	4.9	0	7.5
OF 49 MPH	0	12.7	0	12.6	0	13.0	0	11.6	0	12.2	0	11.2
VEHICLES 54 MPH	0	39.9	0	40.3	0	30.4	0	46.6	0	50.0	0	43.9
TRAVELING 59 MPH	0	72.3	0	72.2	0	73.9	0	83.1	0	80.5	0	85.0
AT OR 64 MPH	0	92.5	0	92.4	0	95.7	0	95.2	0	92.7	0	97.2
LESS THAN 69 MPH	0	99.4	0	99.4	0	100.0	0	97.9	0	96.3	0	99.1
74 MPH	0	99.7	0	99.7	0	100.0	0	99.5	0	98.8	0	100.0
79 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0

TABLE A 31 SPEED DATA All Vehicle Technique

STATION UIALL HIGHWAY urban interstate LOCATION see individual stations

NO. OF LANES _____ TYPE OF SURFACE _____ WEATHER _____

THIS OBSERVATION
DATE May-June, 1979
TIME _____

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. ____)
DATE _____
TIME _____

	PASSENGER CARS						TRUCKS					
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		≥5000 LBS.	
OBSERVATION	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT
NUMBER OF VEHICLES	0	587	0	491	0	96	0	304	0	149	0	155
AVE. SPEED (MPH)	0	57.33	0	57.30	0	57.48	0	56.68	0	56.81	0	56.55
STANDARD DEVIATION	0	4.598	0	4.741	0	3.800	0	5.258	0	5.134	0	5.389
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	.3	0	0	0	.6
PERCENT 44 MPH	0	.3	0	.4	0	0	0	1.3	0	1.3	0	1.3
OF 49 MPH	0	3.9	0	4.5	0	1.0	0	6.9	0	4.7	0	9.0
VEHICLES 54 MPH	0	25.2	0	25.3	0	25.0	0	32.6	0	30.9	0	34.2
TRAVELING 59 MPH	0	69.8	0	70.5	0	66.7	0	71.4	0	73.2	0	69.7
AT OR 64 MPH	0	95.4	0	95.1	0	96.9	0	92.8	0	94.0	0	91.6
LESS THAN 69 MPH	0	98.8	0	98.6	0	100.0	0	99.0	0	98.7	0	99.4
74 MPH	0	99.7	0	99.6	0	100.0	0	99.7	0	99.3	0	100.0
79 MPH	0	99.8	0	99.8	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	99.8	0	99.8	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0

TABLE A 32 SPEED DATA All Vehicle Technique

STATION ALL HIGHWAY Indiana System LOCATION see individual stations

NO. OF LANES _____ TYPE OF SURFACE _____ WEATHER _____

THIS OBSERVATION
DATE May-June, 1979
TIME _____

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. ____)
DATE _____
TIME _____

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<500C LBS.		>500C LBS.	
OBSERVATION	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT
NUMBER OF VEHICLES	0	2251	0	1812	0	439	0	1216	0	466	0	750
AVE. SPEED (MPH)	0	57.13	0	56.87	0	58.22	0	57.32	0	56.87	0	57.57
STANDARD DEVIATION	0	5.293	0	5.418	0	4.587	0	5.362	0	5.328	0	5.349
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	.0	0	.1	0	0	0	0	0	0	0	0
34 MPH	0	.1	0	.2	0	0	0	0	0	0	0	0
39 MPH	0	.3	0	.3	0	0	0	.4	0	.4	0	.4
PERCENT 44 MPH	0	1.5	0	1.7	0	.5	0	1.8	0	1.9	0	1.7
OF 49 MPH	0	6.4	0	7.3	0	2.5	0	6.3	0	6.7	0	6.1
VEHICLES 54 MPH	0	28.9	0	31.2	0	19.4	0	27.8	0	30.0	0	26.4
TRAVELING 59 MPH	0	69.7	0	71.2	0	63.8	0	66.8	0	71.2	0	64.0
AT OR 64 MPH	0	92.4	0	92.8	0	90.4	0	92.1	0	93.6	0	91.2
LESS THAN 69 MPH	0	98.6	0	98.7	0	98.2	0	98.5	0	98.1	0	98.8
74 MPH	0	99.6	0	99.5	0	99.8	0	99.8	0	99.6	0	99.9
79 MPH	0	99.9	0	99.9	0	100.0	0	99.9	0	100.0	0	99.9
84 MPH	0	100.0	0	99.9	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0

TABLE A33

Monitoring of Speed - Free Flow Techniques
(Statistical Summary)

[X] Quarterly Report--Calendar Quarter Ending June 30, 1979

or

[ ] Annual Report--Year Ending _____

STATE Indiana

	Miles	Number of Monitor Locations	Number of Vehicles Measured	Duration of Measurement Session (Hours)	Average Speed (MPH)	Median Speed (MPH)	85th Percentile Speed (MPH)	Percent of Motorists Exceeding		
								55 MPH	60 MPH	65 MPH
Interstate Urban	218	2	948	6.0	57.4	56.8	61.4	65.6	24.3	4.2
Interstate Rural	849	4	1716	4.7	59.3	58.5	63.4	83.0	36.0	7.9
Multi-lane, Divided	657	4	1711	6.0	56.2	55.9	60.5	58.6	17.4	3.0
Multi-lane, Undivided	(Included in multi-lane, divided classification)									
2-Lane, Rural	8030	4	1756	11.0	56.0	55.6	60.8	54.6	18.1	4.9
State Total	9754	14	6131	27.7	57.2	56.8	61.7	65.4	23.8	5.1

TABLE A34

Monitoring of Speed - All Vehicle Techniques
(Statistical Summary)

[X] Quarterly Report--Calendar Quarter Ending June 30, 1979

or

[ ] Annual Report--Year Ending _____

STATE Indiana

	Miles	Number of Monitor Locations	Number of Vehicles Measured	Duration of Measurement Session (Hours)	Average Speed (MPH)	Median Speed (MPH)	85th Percentile Speed (MPH)	Percent of Motorists Exceeding		
								55 MPH	60 MPH	65 MPH
Interstate Urban	218	2	891	4.0	57.1	56.4	61.2	62.7	21.0	3.5
Interstate Rural	849	2	864	5.8	59.4	58.7	63.9	81.8	39.6	9.6
Multi-lane, Divided	657	2	867	10.7	56.5	56.1	60.4	58.5	17.1	2.7
Multi-lane, Undivided	(Included in multi-lane, divided classification)									
2-Lane, Rural	8030	2	845	14.3	55.7	55.4	61.0	52.1	19.5	4.6
State Total	9754	8	3467	34.8	57.2	56.6	61.7	63.8	24.3	5.1

TABLE A35

SPEED MONITORING STATION SUMMARY - Free Flow

HIGHWAY CATEGORY INTERSTATE, RURAL

STATION NUMBER RI-6 LOCATION I-65; 7.5 mi. north of SR 160

NUMBER OF SESSIONS 1 DATES 6-13-79 VEHICLES MEASURED 423

AVERAGE SPEED (MPH) 59.8 STANDARD DEVIATION 4.7

MEDIAN SPEED (MPH) 58.9 85TH PERCENTILE SPEED (MPH) 64.4

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 84. 60 MPH 39. 65 MPH 12.

TABLE A36

SPEED MONITORING STATION SUMMARY - Free Flow

HIGHWAY CATEGORY INTERSTATE, RURAL

STATION NUMBER RI-21 LOCATION *-69; 1.6 mi. south of SR 18

NUMBER OF SESSIONS 1 DATES 5-22-79 VEHICLES MEASURED 426

AVERAGE SPEED (MPH) 59.3 STANDARD DEVIATION 4.5

MEDIAN SPEED (MPH) 58.4 85TH PERCENTILE SPEED (MPH) 63.4

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 85. 60 MPH 35. 65 MPH 9.

TABLE A37

SPEED MONITORING STATION SUMMARY - Free Flow

HIGHWAY CATEGORY INTERSTATE, RURAL

STATION NUMBER RI-16 LOCATION I-70 at bridge - SR 1

NUMBER OF SESSIONS 1 DATES 5-23-79 VEHICLES MEASURED 434

AVERAGE SPEED (MPH) 58.8 STANDARD DEVIATION 4.1

MEDIAN SPEED (MPH) 57.9 85TH PERCENTILE SPEED (MPH) 62.5

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 80. 60 MPH 32. 65 MPH 4.

TABLE A38

SPEED MONITORING STATION SUMMARY - Free Flow

HIGHWAY CATEGORY INTERSTATE, RURAL

STATION NUMBER RI-28 LOCATION I-80-90 (Toll Road) 4.65 mi. east of LaPorte exit

NUMBER OF SESSIONS 1 DATES 6-4-79 VEHICLES MEASURED 433

AVERAGE SPEED (MPH) 59.2 STANDARD DEVIATION 4.3

MEDIAN SPEED (MPH) 58.7 85TH PERCENTILE SPEED (MPH) 63.2

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 83. 60 MPH 37. 65 MPH 7.

TABLE A39

SPEED MONITORING STATION SUMMARY - Free Flow

HIGHWAY CATEGORY MULTI-LANE, DIVIDED (RURAL)

STATION NUMBER 4L-17 LOCATION US 52; 150' East of CR 475W, Tippecanoe Co.

NUMBER OF SESSIONS 1 DATES 5-14-79 VEHICLES MEASURED 422

AVERAGE SPEED (MPH) 55.5 STANDARD DEVIATION 5.9

MEDIAN SPEED (MPH) 55.4 85TH PERCENTILE SPEED (MPH) 60.3

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 54. 60 MPH 16. 65 MPH 2.

TABLE A40

SPEED MONITORING STATION SUMMARY - Free Flow

HIGHWAY CATEGORY MULTI-LANE, DIVIDED (RURAL)

STATION NUMBER 4L-32 LOCATION US 30; 2.9 mi. west of Wanatah City Limit Sign

NUMBER OF SESSIONS 1 DATES 5-17-79 VEHICLES MEASURED 435

AVERAGE SPEED (MPH) 57.0 STANDARD DEVIATION 5.0

MEDIAN SPEED (MPH) 56.7 85TH PERCENTILE SPEED (MPH) 60.8

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 66. 60 MPH 20. 65 MPH 4.

TABLE A41

SPEED MONITORING STATION SUMMARY - Free Flow

HIGHWAY CATEGORY MULTI-LANE, DIVIDED (RURAL)

STATION NUMBER 41-1 LOCATION US 41; 7.0 mi. south of SR 64

NUMBER OF SESSIONS 1 DATES _____ VEHICLES MEASURED 130

AVERAGE SPEED (MPH) 56.5 STANDARD DEVIATION 5.0

MEDIAN SPEED (MPH) 56.1 85TH PERCENTILE SPEED (MPH) 60.6

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 61. 60 MPH 18. 65 MPH 4.

TABLE A42

SPEED MONITORING STATION SUMMARY - Free Flow

HIGHWAY CATEGORY MULTI-LANE, DIVIDED (RURAL)

STATION NUMBER 4L-16 LOCATION US 52; 0.35 mi. south of SR 47

NUMBER OF SESSIONS 1 DATES 5-16-79 VEHICLES MEASURED 424

AVERAGE SPEED (MPH) 55.6 STANDARD DEVIATION 5.5

MEDIAN SPEED (MPH) 55.4 85TH PERCENTILE SPEED (MPH) 59.9

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 53. 60 MPH 15. 65 MPH 3.

TABLE A43

SPEED MONITORING STATION SUMMARY - Free Flow

HIGHWAY CATEGORY TWO-LANE, RURAL

STATION NUMBER 2L-18 LOCATION US 35; 2.5 mi. east of I-69

NUMBER OF SESSIONS 1 DATES 5-22-79 VEHICLES MEASURED 424

AVERAGE SPEED (MPH) 56.2 STANDARD DEVIATION 4.9

MEDIAN SPEED (MPH) 55.6 85TH PERCENTILE SPEED (MPH) 60.0

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 56. 60 MPH 15. 65 MPH 3.

TABLE A44

SPEED MONITORING STATION SUMMARY - Free Flow

HIGHWAY CATEGORY TWO-LANE, RURAL

STATION NUMBER 2L-54 LOCATION US 231; 1.1 mi. south of SR 234

NUMBER OF SESSIONS 1 DATES 5-15-79 VEHICLES MEASURED 441

AVERAGE SPEED (MPH) 56.7 STANDARD DEVIATION 5.6

MEDIAN SPEED (MPH) 56.2 85TH PERCENTILE SPEED (MPH) 61.9

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 60. 60 MPH 24. 65 MPH 6.

TABLE A45

SPEED MONITORING STATION SUMMARY - Free Flow

HIGHWAY CATEGORY TWO-LANE, RURAL

STATION NUMBER 2L-16 LOCATION SR 3; 1.75 mi. south of SR 46

NUMBER OF SESSIONS 1 DATES 5-24-79 VEHICLES MEASURED 431

AVERAGE SPEED (MPH) 55.2 STANDARD DEVIATION 6.5

MEDIAN SPEED (MPH) 54.9 85TH PERCENTILE SPEED (MPH) 60.2

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 50. 60 MPH 16. 65 MPH 4.

TABLE A46

SPEED MONITORING STATION SUMMARY - Free Flow

HIGHWAY CATEGORY TWO-LANE, RURAL

STATION NUMBER 2L-83 LOCATION US 136; 2.85 mi. west of SR 63

NUMBER OF SESSIONS 1 DATES 6-11-79 VEHICLES MEASURED 460

AVERAGE SPEED (MPH) 55.9 STANDARD DEVIATION 6.4

MEDIAN SPEED (MPH) 55.4 85TH PERCENTILE SPEED (MPH) 60.8

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 53. 60 MPH 18. 65 MPH 6.

TABLE A47

SPEED MONITORING STATION SUMMARY- Free Flow

HIGHWAY CATEGORY INTERSTATE, URBAN

STATION NUMBER UI-6 LOCATION I-65; just east of White River

NUMBER OF SESSIONS 1 DATES 5-21-79 VEHICLES MEASURED 521

AVERAGE SPEED (MPH) 57.9 STANDARD DEVIATION 4.3

MEDIAN SPEED (MPH) 57.3 85TH PERCENTILE SPEED (MPH) 61.5

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 73. 60 MPH 26. 65 MPH 4.

TABLE A48

SPEED MONITORING STATION SUMMARY - Free Flow

HIGHWAY CATEGORY INTERSTATE, URBAN

STATION NUMBER UI-8 LOCATION I-265; 1.45 mi. north of I-64

NUMBER OF SESSIONS 1 DATES 6-6-79 VEHICLES MEASURED 427

AVERAGE SPEED (MPH) 56.7 STANDARD DEVIATION 5.3

MEDIAN SPEED (MPH) 56.5 85TH PERCENTILE SPEED (MPH) 61.2

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 57. 60 MPH 22. 65 MPH 5.

TABLE A49

SPEED MONITORING STATION SUMMARY - Every 2nd Vehicle

HIGHWAY CATEGORY INTERSTATE, RURAL

STATION NUMBER RI-6 LOCATION I-65; 7.5 mi. north of SR 160

NUMBER OF SESSIONS 1 DATES 6-7-79 6-13-79 VEHICLES MEASURED 422

AVERAGE SPEED (MPH) 60.0 STANDARD DEVIATION 5.2

MEDIAN SPEED (MPH) 59.6 85TH PERCENTILE SPEED (MPH) 64.5

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 84. 60 MPH 46. 65 MPH 12.

TABLE A50

SPEED MONITORING STATION SUMMARY - All Traffic

HIGHWAY CATEGORY INTERSTATE, RURAL

STATION NUMBER RI-16 LOCATION I-70; at bridge - SR 1

NUMBER OF SESSIONS 1 DATES 5-23-79 VEHICLES MEASURED 442

AVERAGE SPEED (MPH) 58.8 STANDARD DEVIATION 4.3

MEDIAN SPEED (MPH) 57.9 85TH PERCENTILE SPEED (MPH) 62.6

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 80. 60 MPH 33. 65 MPH 7.

TABLE A51

SPEED MONITORING STATION SUMMARY - Every 2nd Vehicle

HIGHWAY CATEGORY MULTI-LANE, DIVIDED (RURAL)

STATION NUMBER 4L-32 LOCATION US 30; 2.9 mi. west of Wanatah City Limit Sign

NUMBER OF SESSIONS 1 DATES 5-17-79 VEHICLES MEASURED 442

AVERAGE SPEED (MPH) 56.7 STANDARD DEVIATION 4.7

MEDIAN SPEED (MPH) 56.7 85TH PERCENTILE SPEED (MPH) 60.6

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 62. 60 MPH 18. 65 MPH 3.

TABLE A52

SPEED MONITORING STATION SUMMARY - Every 2nd Vehicle

HIGHWAY CATEGORY MULTI-LANE, DIVIDED (RURAL)

STATION NUMBER 4L-1 LOCATION US 41; 7 mi. south of SR 64

NUMBER OF SESSIONS 1 DATES 6-5-79 VEHICLES MEASURED 425

AVERAGE SPEED (MPH) 56.3 STANDARD DEVIATION 4.7

MEDIAN SPEED (MPH) 55.7 85TH PERCENTILE SPEED (MPH) 60.2

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 54. 60 MPH 16. 65 MPH 3.

TABLE A53

SPEED MONITORING STATION SUMMARY - Every 2nd Vehicle for 1st Half Hour, then Every Vehicle; Separate Lane in 15 min. Intervals Until Completed

HIGHWAY CATEGORY TWO-LANE, RURAL

STATION NUMBER 2L-54 LOCATION US 231; 1.1 mi. south of SR 234

NUMBER OF SESSIONS 1 DATES 5-15-79 VEHICLES MEASURED 423

AVERAGE SPEED (MPH) 55.9 STANDARD DEVIATION 5.9

MEDIAN SPEED (MPH) 55.3 85TH PERCENTILE SPEED (MPH) 61.2

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 52. 60 MPH 19. 65 MPH 6.

TABLE A54

SPEED MONITORING STATION SUMMARY - All Traffic

HIGHWAY CATEGORY TWO-LANE, RURAL

STATION NUMBER 2L-16 LOCATION SR 3; 1.75 mi. south of SR 46

NUMBER OF SESSIONS 1 DATES 5-24-79 VEHICLES MEASURED 422

AVERAGE SPEED (MPH) 55.5 STANDARD DEVIATION 6.3

MEDIAN SPEED (MPH) 55.4 85TH PERCENTILE SPEED (MPH) 60.8

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 52. 60 MPH 20. 65 MPH 4.

TABLE A55

SPEED MONITORING STATION SUMMARY - Every 2nd Vehicle

HIGHWAY CATEGORY INTERSTATE, URBAN

STATION NUMBER UI-6 LOCATION I-65; just east of White River

NUMBER OF SESSIONS 1 DATES 5-21-79 VEHICLES MEASURED 461

AVERAGE SPEED (MPH) 57.3 STANDARD DEVIATION 4.1

MEDIAN SPEED (MPH) 56.7 85TH PERCENTILE SPEED (MPH) 60.7

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 67. 60 MPH 19. 65 MPH 3.

TABLE A56

SPEED MONITORING STATION SUMMARY - Every 2nd Vehicle

HIGHWAY CATEGORY INTERSTATE, URBAN

STATION NUMBER UI-8 LOCATION I-265; 1.45 mi. north of I-64

NUMBER OF SESSIONS 1 DATES 6-6-79 VEHICLES MEASURED 430

AVERAGE SPEED (MPH) 56.9 STANDARD DEVIATION 5.5

MEDIAN SPEED (MPH) 56.0 85TH PERCENTILE SPEED (MPH) 61.7

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 58. 60 MPH 23. 65 MPH 4.

COVER DESIGN BY ALDO GIORGINI